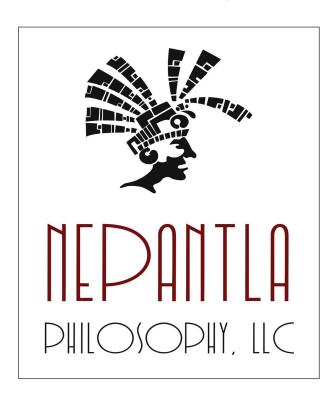
Graduate School 101:

Application Process
& Special Considerations in Science, Tech,
Engineering, & Marketing Programs

Undocu - Spartan Student Resources

Juan Ruiz, MA

Who am I? Why am I here?



- Juan Ruiz Cortes, MA (Philosophy, 2018)
- Critical Race & Ethnic Studies, BA
- Founded Nepantla Philosophy, LLC
 - Created a limited liability company with a mission to nurture equity, diversity, and inclusion in higher education through programming, professional training, and consulting.
- Undocumented non-DACA entrepreneur

Take a deep breath!

- 1. I will provide you with a lot of information!
 - 2. I welcome interaction and collaboration!

Presentation Content



STEM application details



General & Undocu-related Considerations



Deadlines, Letters of Rec., Testing, Fee waivers, Writing Sample



Resources

How to Start Your Thinking About Graduate School

- Research interests
- Specialized Field, like Medical or Law School
- Seek TA position, or something of the sort
- Application process & cost
- Letters of Recommendation
- Graduate tests
- Post Bacc Programs

SOPHOMORE / JUNIOR YEAR



SUMMER BEFORE SENIOR YEAR



SENIOR YEAR

- Get involved with faculty mentored
- Research graduate programs Attend graduate school fairs
- Research extramural fellowships
- Do a summer research program here at UCI or at another institution
- Work on your statement of purpose and personal history statement
- Take the GRE exam
- Request three faculty letters of recommendation by early Fall
- Finalize your Statement of Purpose and Personal History Statement
- Submit your extramural funding applications during the fall
- Submit your graduate application to UC Irvine!

TIPS FOR PREPARING YOUR WRITING STATEMENT

- · Ask one of your letter writers if they can review and provide suggestions for strengthening your Statement of Purpose.
- · Have someone edit your statement(s) for grammar and spelling errors before submitting your application.
- Include in your statement(s) why you chose to apply for graduate school and why you chose the graduate program for which you are applying.
- Describe not only your success, but also any barriers that you have had to

Marketing Programs

CSU Long Beach (Example)

- Masters of Science in Marketing Analytics
- Non-refundable \$70 application fee
- Official transcripts
- 2.75 GPA or greater
- Resumé
- GMAT/GRE Test Requirements Waived for <u>Spring and Fall 2022</u>
- Two letters of recommendation
- Video Statement of Purpose
- Personal Statement

UC Berkeley (Example)

- Masters of Business Administration
- Copy of official transcripts
- GMAT or GRE exam required
- TOEFL (Test of English as a Foreighn Language) for applicants who received undergraduate degrees in non-English speaking countries
- Interview by invitation only
- Two letters of recommendation from former employers
- Two Essays; SOP only for concurrent programs

Info on Berkeley Marketing MBA continued...

- Essay 1: What makes you feel alive when you are doing it, and why? (300 words)
 - A successful essay will share a specific and personal experience that helps the reader get to know you better, giving insight into your character, values, or how you would uniquely contribute to the Berkeley-Haas community.
- Essay 2: The definition of successful leadership
 has evolved over the last decade and will
 continue to change. What do you need to
 develop to become a successful leader?

 Applying to Scholarships is optional, yet part of the application, and may require other supplemental materials or essays

Round	Submit application by:	Take GMAT/ GRE/English Tests by:	Decisions posted by:
1	September	September	December
	23, 2021	23, 2021	16, 2021
2	January 6,	January 6,	March 24,
	2022	2022	2022
3	April 7, 2022	April 7, 2022	May 12, 2022

Medical School application

- Do not have to be STEM Major
 MCD/Biology/Chemistry
- Can be any major (i.e., Sociology, Physics or History etc.)
- Just need to meet minimum requirements
- ~3.5 GPA (3.2-3.8)
- Volunteering, interns hip, clinical experience
- Research experience preferred
- Letters of recommendation (3-6 at UCI)
- Rigorous application timeline—may discuss further during office hours

Requirements

- One year of Biology (w/labs)
- One year of Physics (w/labs)
- One year of English
- One year of Math
- Two years of chemistry (w/labs)
- https://apps.aamc.org/msar-ui/
- Prefered/Recommended:
 - Computer courses, Anatomy, Cell Biology,
 Immunology, Microbiology, Neuroscience,
 Psychology, Sociology, Spanish
- Take the MCAT exam

MCAT - Medical College Admission Testing

- Administered by Association of American Medical Colleges (AAMC)
- Standardized test with sections on
 - Biological and Biochemical Foundations of Living Systems
 - Chemical and Physical Foundations of Biological Systems
 - Psychological, Social, and Biological
 Foundations of Behavior
 - Critical Analysis and Reasoning Skills
- In-person test only
- \$305 cost

Section	# of Questions	Time Allotted
Examinee Agreement		8 minutes
Tutorial (optional)		10 minutes
Chemical and Physical Foundations of Biological		
Systems	59	95 minutes
Break (optional)		10 minutes
Critical Analysis and Reasonin Skills	g 53	90 minutes
Mid-Exam Break (optional)		30 minutes
Biological and Biochemical		
Foundations of Living Systems	59	95 minutes
Break (optional)		10 minutes
Psychological, Social, and Biological Foundations of		
Behavior	59	95 minutes
Void Question		5 minutes
Satisfaction Survey (optional)		5 minutes
Total Content Time		6 hours 15 minutes
Total "Seated" Time*		Approx. 7 hours 33 minutes

MCAT Prep Resources



- FREE!Khan Academy MCAT Course
- Sample content from all four sections
- 1,100 videos and 3,000 review questions to help you study
- https://www.khanacademy.org/testprep/mcat



- Full-length practice tests
- MCAT quizzes to assess readiness
- MCAT Flashcards App
- https://www.princetonreview.com/medical/free-mcat-practice-test?gclid=Cj0KCQiAj9iBBhCJARIsAE9qRtBzwTSLDZ3s5Xuuua9HsE8ZuYADQn4pomC9Lo_pgm1QN6MjSV6fNfEaApWuEALw_wcB&ExDT=2#!practice

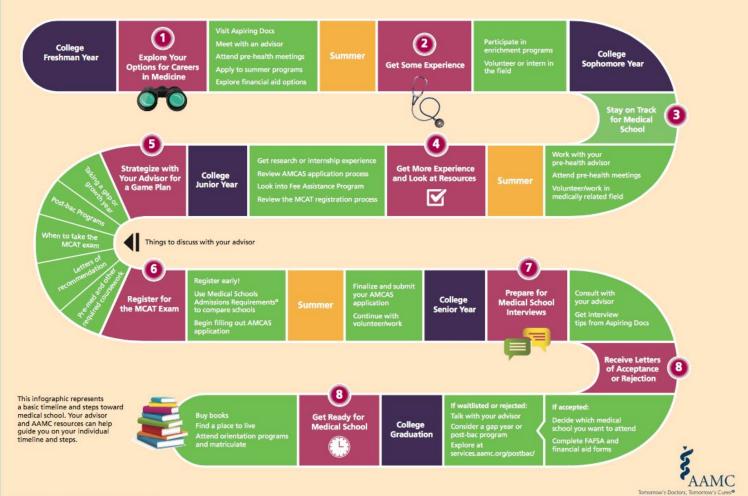
- Founded in 2012 by three undocumented medical school graduate students
- Offers networking, advocacy, forums, resources, and community-building opportunities
- Graduate/Professional Programs
 - Scholarship list:

 https://docs.google.com/spreadsheet
 s/d/1q ka0BAzfenJ92Feikx_AjF3BpqFNN eFvlymdv2q8/edit#qid=839553668
 - Internship list:

 https://docs.google.com/spreadsheet
 s/d/1Aqrs_I6Mq_3FHHvXszW11hlah
 iO4x2h84k1ZGk7Lh-g/edit#gid=0

PHD-Pre-Health Dreamers





Don't give up!

- Graduate School is expensive, but not impossible to access and succeed
- For undocumented students without work authorization, it is particularly more expensive
 - Then, there is the Residency
 requirement after completing Medschool where employment
 authorization is required...



- There are Med schools deliberately
 supportuning undocumented folks
 - Loyola Stritch School of Medicine in Chicago: DACA recipients welcome and receive full tuition support
 - https://ssom.luc.edu/daca/

California Healthline Daily Edition

Summaries of health policy coverage from major news organizations

TUESDAY, SEP 30 2014

New Law Allows Undocumented Immigrants To Practice Health Care

A new California law (SB 1159) allows undocumented immigrants to practice the occupation they have been trained for, including those trained as dentists, doctors and nurses, KPCC's "Multi-American" reports (Huang, "Multi-American," KPCC, 9/29).

Engineering Research Opportunity

- UC Irvine Summer Undergraduate Research Fellowship (SURF)
- Opportunity for research and intense graduate preparation program
- Facilitate application, admission, and enrollment in grad school
- Open to all academic fields at UCI
- June 19-August 12, 2022
- AB-540 Eligible
- Juniors, seniors or MA students pursuing a Ph.D.
- Application opens Dec. 2021
- Email: <u>diversity@rgs.uci.edu</u>
 - Maria Menendez



- \$4,000 stipend included
- Successfully applying to graduate school
- Successfully applying for fellows hips
- GRE preparation course (optional)
- Academic writing
- Preparing academic presentations
- Academic career planning

STEM Resumé

- Different than the Humanities/Social
 Sciences Resumé
- Showcases
 - key words; identifiable by AI (artificial intelligence)
 - Lab work
 - Courses
 - Interns hip experience
 - Special projects participation
 - Leaders hip experience
- Not a "cut and paste" template; every field is particularly different
- Sample: <u>Junior Mechanical Engineering Major</u>
 <u>Seeking Product Design Internship</u> (pdf)

Alex MechE

Berkeley, CA | youremail@berkeley.edu | (555) 555-5555| Linkedin, Portfolio, etc

EDUCATION

University of California, Berkeley

Bachelor of Science in Mechanical Engineering

May 2021 GPA: /4.0

Relevant Coursework: Feedback Control Systems, Aerodynamics, Biomechanics, Heat Transfer, Electronics for IOT, 3D Modeling, Statics & Strength of Material, Manufacturing & Tolerancing

KILLS

Software: SolidWorks, Creo, MATLAB, Python, CATIA, LabVIEW, AutoCAD, MS Office, MS Excel Fabrication: 3D Printing, Laser Cutting, Lathe, Mill

Certification: Certified SolidWorks Associate

INTERNSHIP EXPERIENCE

Product Design Intern

May 2019 - August 2019

ABC Company

- . Designed waste/vent & storm drain riser diagrams for 35-story mixed-use high-rise using Bluebeam Revu & AutoCAD
- · Participated in coordination meetings/conference calls with clients, architects, subcontractors, and consultants
- · Assisted Project Managers with calculations and bid documentation
- · Reviewed and ensured materials were meeting specifications on drawings
- Analyzed costs and lead times to ensure they were within project budget and schedule

RELEVANT PROJECTS

UC Berkeley Solar Vehicle Team

August 2018 - Present

Student Mechanical Engineer

- Optimized suspension, chassis, and powertrain by performing nite element analysis with ANSYS, and improved vehicle stability and maximum speed by 8% and 12% respectively
- Constructed the solar powered electric vehicle by using machine tools such as water jet, CNC Lathe, and milling machines, and won rst place at Formula Sun Grand Prix 2017

UC Berkeley Hyperloop Team

January 2018 - Present

Lead Mechanical Design Engineer

- Designed a high speed rail transport by minimizing air resistance and analyzing air flow with SW flow simulation tool, and selected to compete in the SpaceX Hyperloop competition
- . Integrated air resistance and wheel friction into braking system, and achieved reducing braking distance by 20%

ME 103 (Experimentation and Measurements): NACA 0015 Airfoil Performance Characterization

Fall 2018

- Class Project: Modeled, 3D printed, and validated performance attributes of NACA 0015 in a wind tunnel
- · Manufactured and assembled aircraft wings by laser cutting ribs and joining them to spar structures
- Tracked and managed a ~\$15,000 budget by effectively overseeing resource procurement
- Established and maintained industry relationships to secure 4 corporate partnerships
- · Modeled aircraft components and created wing assemblies in SolidWorKS

LEADERSHIP EXPERIENCE

Society of Women Engineers, Secretary

October 2017 - December 2018

- Led initiative to engage & empower more women in entrepreneurship through directly engaging w/female led startups
- Planned Startup Expo event, including workshops and panels with various local Bay area startups, along with a career fair involving 25 startup companies from around the Bay Area

Break. Transition.

Basic Considerations

- Why? What? Where?
- What to expect?
- Degree?
- Benefits
- Costs

Reasons to Pursue

- More knowledge about a subject/major
- Research interests
- Your proposed career may require it
- Become a better candidate in the job market

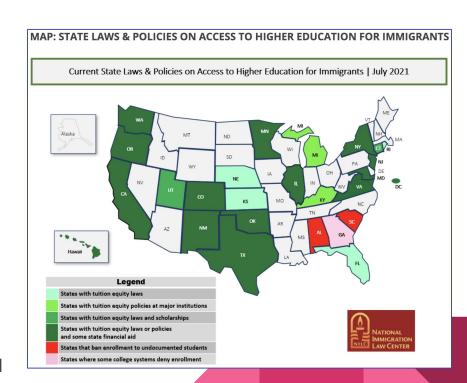
Different Degrees

- Master's: MA, MS, MBA,
 MPA, MSW, MFT, etc.
- Doctorate: Ph.D.
- Professional: JD, MD,DDS, OD



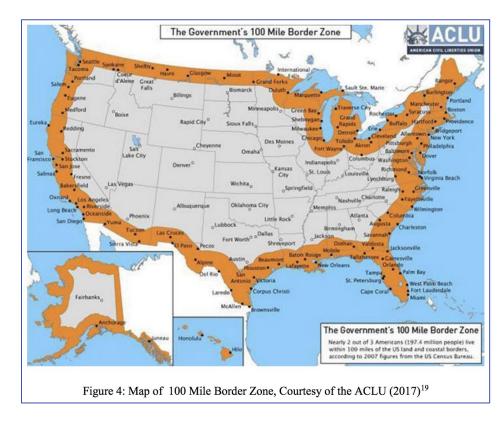
Undocumented-related Considerations

- State laws affect graduate school admission
 - National Immigration Law Center
 - Map: State Laws & Policies on Access to Higher Education for <u>Immigrants</u>
 - Table: Laws & Policies
 Improving Access to Higher
 Education for Immigrants
 - uLEAD: University Leaders for Educational Access and Diversity
 - <u>uLEADNet.org</u>
 - Categorized laws of 50 states into Restrictive, Unstipulated, and Inclusive



US Customs & Border Protection (USCBP) checkpoints

- Interior Checkpoints and Higher
 Ed Institutions along the border
 - USCBP, checkpoints range from 25 100 miles from border
 - There are an estimated 180 checkpoints
 - Living in an area that requires you to pass through a checkpoint poses a higher deportation risk



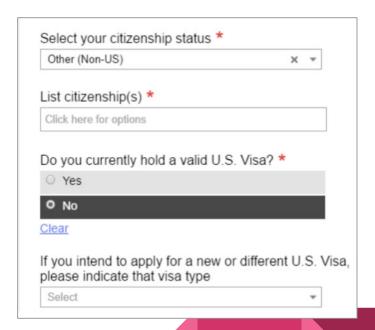
Testing Requirements: GRE, GMAT, MCAT, etc.

- Government is sued identification for registering and taking the test
 - US driver's license or passport
 - Original document
 - Valid
 - Bear your full name
 - Includes recent photograph
 - Includes your signature
- ETS Office of Testing Integrity (OTI)
 - Accommodation, waiver or workaround if you do not meet identification requirements
 - Email: <u>TSReturns@ets.org</u>

Identification Requirements	Yes	N
The names on your ID match the first and last names on your MCAT exam registration EXACTLY. (Middle names or initials are not required on the MCAT registration, even if they appear on your ID.) If they don't match exactly, you must update your name through the MCAT Registration System system by the RONZE ZONE deadline associated with your test date. If your ID has your initials in place of your first and/or last name, you must contact AAMC Services (202-828-0600) for instructions before the SILVER ZONE deadline associated with your test date.		
The ID was issued by a government agency.		
The ID's expiration date is printed on the ID and is not extended by a sticker or similar mechanism.		
The ID will not expire before your exam date.		
The ID is not a temporary ID. → Paper IDs or ID application receipts of any quality are not valid forms of identification.		
The ID contains a photo that can be used to positively identify you.		
The ID includes your signature, which you will be asked to duplicate on test day.		
The ID is whole with no evidence of tampering (clipped corners, holes, etc.).		
The ID is in English.		
If you answered "no" to any of the requirements, please obtain an ID that fulfills all the re or adjust your registration details.	quirements	
If you answered "yes" to ALL these requirements, CONGRATULATIONS! You are ready for	exam day!	

Disclosing Status on a Graduate Application

- No federal law requires proof of citizenship when applying
- Personal decision to disclose status
 - Typically unavoidable in an application
 - Used for Financial Aid and to gauge diversity of the matriculating student population
 - Provide students with resources
- Information safeguarded by FERPA
 - Except for court orders
 - Legitimate educational interests
 - Directory information



Application Components

- Admissions testing
- Unofficial Transcripts / GPA
- Personal Statement
- Statement of Purpose
- Letters of Recommendation
- CV / Resumé



Timeline

• Summer:

- Narrow down research interests
- Search for programs
- Prepare for testing

• Fall:

- Work on application
- Letters of rec.
- Personal statement / SOP
- Writing sample
- Funding application

Winter:

- Maintain good grades
- Spring:
 - Admission response
 - Interview at campuses



Detailed Timeline

	Example of Grad School Application Timeline					
	Sophomore	Junior	Summer	Senior		
Quarter	Fall Winter Spring	Fall Winter Spring		Fall Winter Spring		
Academics	-Choose major -Academic enrichment programs -Honors opportunitiesVolunteer or intern -Undergraduate Research Opportunities	-Be proactive and engage in majorApply to summer research/internship opportunitiesAttend California Forum for Diversity in Graduate Education	- - -	-Attend scholarly lectures and discussion - Instructor Assistant (e.g., Psyc 191) - Attend/Revisit California Forum for Diversity in Graduate Education		
Research	-Take note of topics you find interesting based on reading from courses.	-Gain research experience (e.g., labs, Pathways to Research Program)	-Summer Research Program or Internship	-Senior thesis, internship, field study.		
Graduate School	-Explore career interestsMS/MA vs. Ph.D	-Build relationships with faculty and graduate mentors for future letters of recommendations.	-GRE prep -Search for Grad school programs	-Apply to Grad school OR -Plan for the year or two before Grad School		

Grad School Wishlist

University Name	School Name	Program Name	Degree	Faculty Name	Faculty Contact	App. Requirements	Deadline
NYU	Steinhardt School of Culture, Ed, & Human Dev.	Psych & Social Intervention	Ph.D.	C. Suarez-Orozco Niobe Way (Psy. Dev)	cso2@nyu.edu	Fee Waiver	Dec. 15 th
UC Santa Cruz	Psychology	Developmen tal Psychology	Ph.D.	Margarita Azmitia Catherine Cooper	azmitia@ucsc.edu	Personal History Statement, GRE: Fee Waiver	Dec. 15 th
Stanford	School of education	PSE: child & adolescent dev.	PhD	-Amado Padilla -Teresa LaFromboise	apadilla@suse. stanford.edu	GRE: 4704 Fee Waiver	Dec 16 th
Brown Uni.	Education Department	Urban Education Policy	MA	1. Cynthia Garcia 2. Deborah Rivas-Drake 3. Rosa Cho	1.Cynthia_garcia_coll@b rown.edu 2.Deborah_rivas_drake@ brown.edu 3.rosa_minhyo_cho@bro wn.edu	GRE: 3090 Fee Waiver	Jan 2 nd
Harvard	Graduate School of Education	Human Developmen t & Psychology	MA	Vivian Louie Hiro Yoshikaw	vivian_louie@ gse.harvard.edu	GRE: 3428	Jan 5 th

STEM Personal Statement & Statement of Purpose

- Word limit depending on the program
 - 250-1000 words
- Describe a time when you dealt with someone difficult
- How did you handle the situation?
- What would you do different if you could do it over?

- Video Statement of Purpose
 - Describe your career goals in the next 3-5 years,
 - Your long-term dream job
 - You can use a platform such as YouTube to create the video.
 - Include your link in the application

form

Personal Statement /

- For financial aid and cohort considerations
- Personal trajectory / journey to career path
- Represents your skills and character
- Overcoming adversity and maintaining academic excellence
 - o How?

Statement of Purpose

- For research interests/cohort considerations
- What do you want to do in grad school?
- How will you apply your skills to achieve goal?
- Highlight aspects of school / department that guide your interest
 - O List faculty you wish to work with

Testing & Exams

Some schools waived these test requirements due to COVID-19

- GMAT (business)
 - Marketing Analytics
- MCAT (medical school)
- PCAT (pharmacology)
- OAT (optometry)
- Request fee waivers from

Graduate Division, Fin. Aid Office





- Pick Up a book from the library, peer, online, etc., and read a few pages a day
- 2. Don't try to wing-it!
- 3. Create a study plan
- 4. Become acquainted with the examination style
- 5. GMAT now available online
 - a. https://www.mba.com/exams/gmat

The little box at the end of the application...

• Question: "Is there anything not included in the application that you would like to share with the graduate committee?"



- Make use of this to genuinely describe:
 - Your fear of standardized testing
 - The underlying reason why there is a "W" or failing grade on your transcript
 - A family hardship that affected a gap in your education
 - And how these criteria are not indicative of your ability to engage in research material



Grad Test prep resource!

- Magoosh online prep-course for GMAT, MCAT, GRE
- Some Universities offer this resource **free** to students--look into this as a possibility at your campus!



https://magoosh.com/

Writing Sample

- Depending on your discipline, the sample may be different
 - STEM: Poster abstract; study you conducted in a course; special lab report; essay for a course or publication
- Work on the sample ahead of time
 - Ideally, use a sample from a faculty advisor that is recommending you and has reviewed your work

- Share your sample with different readers
 - Faculty
 - Peer advisor
 - Mentor
- Save each copy separately and then decide what changes to make

CV / Résumé

- Curriculum Vitae
 - Concise summary of educational background and achievements
 - Personal contact information
 - Educational degrees
 - Awards / publications
 - Teaching and research interests and experiences
 - Skills
 - Professional memberships
 - Highlight experiences in relation to SOP

Letters of Recommendation

- Request strong well-written letters of rec.
 - Pillar of the application, ask ahead of time
 - Provides information that is not found elsewhere in the application
 - Don't be repetitive
 - Some aspects have to be mentioned by the recommender
 - Waive the right to read the letter
 - Shows confidence
 - Professors may be more comfortable to recommend you
 - From: Professor's, Employer, Internship/volunteer supervisor

Letters of Rec

- Advise Professor ahead of time or at the beginning of a course
- Attend office hours and hold conversations related to your research interest
- Never accept a Letter from a Professor who asks you to write it
 - o Provide the recommender with:
 - **SOP**
 - Résumé / CV
 - Writing sample
 - Transcripts
 - *(See <u>sample</u> in materials attached to this prez)

Faculty advisor

- Professor/Mentor that will revise all material to be submitted
- Meet regularly and have materials ready to be revised
- Meet professor during office hours or request alternative time
- Be responsible for setting expectations and deadlines

Deadlines

- Submit application materials ahead of time
- Letters may be provided by professors after application has closed
 - It is your responsibility to ensure the recommender has provided your letter
 - <u>Email</u> recommender with gratitude
 - Then email as a follow up to ensure letter submission

Finding the right Program

- Look into the Faculty and their Research interests
- 2-3 faculty members you may work with
- Ask if they will be on
 - Sabbatical, retiring, conducting research elsewhere
- Does the Program offer a MA if you don't finish the PhD?
- Reach-out to other graduate students at the dept. and read their work

Contacting the Department

- Inquire what funding options are available particular to your circumstances
 - TA ships, fellowships, GSR?
 - Will I have a difficult time registering at your school due to my undocumented status?
 - Is there a category I fall under with your registration office?
- Ask for application fee waivers

Financial Aid Options

MALDEF Graduate Scholarship & Fellowship List



Internal Fellowship: UCLA AB540 Grad Students



 External Fellowship: Paul D. Soros Fellowship for New Americans



Undocumented Student Resources

http://mydocumentedlife.org/



http://www.phdreamers.org/



dream.csac.ca.gov



<u>immigrantsrising.org</u>



LIST OF GRADUATE FELLOWSHIPS

Santa Clara Law Digital Commons

- Navigating Graduate School:
 Resource Guide for
 Undocumentes Students
- Focus on law, testing requirements, and stat-to-state nuances, amongst other items
- https://www.thedream.us/wpcontent/uploads/2018/08/Navigating-Graduate-School -Resource-Guide-for-Undocumented-Stude-1.pdf



Santa Clara Law Santa Clara Law Digital Commons

Immigration Law & Policy Practicum Projects

Student Scholarship

2018

Navigating Graduate School: Resource Guide for Undocumented Students

Sheila Cook SCU Law Class of 2018, scook@scu.edu

Iva Gaylord

SCU Law Class of 2018, igaylord@scu.edu

Lastly

No one single route is the only correct one

 Make a name for yourself get the Dept. to know you