

CAPP30122 Project

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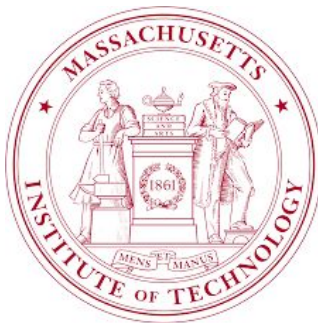
Shuting Chen

Overview

- ❑ Objective & Motivation
- ❑ Data Source
- ❑ Functions & Implementation
- ❑ Project Timeline



HARVARD
UNIVERSITY



Yale University



PRINCETON
UNIVERSITY



Stanford
University

❑ Data Source

- ❑ “Results Search” on GradCafe:
<https://thegradcafe.com/survey/>
- ❑ Including previous application results for different graduate schools and programs since 2006
- ❑ Visualized web page:

Institution	Program (Season)	Decision & Date	St ¹	Date Added	Notes
University Of North Texas	Audiology (Au.D.) (Au.D.), Other (F18)	Interview via E-mail on 20 Jan 2018		20 Jan 2018	interview 1/25
MIT-WHOI Joint Program	Applied Ocean Science And Engineering, PhD (F18)	Interview via E-mail on 19 Jan 2018	U	20 Jan 2018	Following updates: got the 1st email from PI at 11:30 and began our Skype meeting at 12:30.
Cornell	BBS MIP, PhD (F18)	Rejected via E-mail on 2 Jan 2018	A	20 Jan 2018	
Stanford	Chemical Engineering, PhD (F18)	Accepted via E-mail on 19 Jan 2018	A	20 Jan 2018	A couple papers, experience with simulations
The University Of Pennsylvania (UPenn)	Mathematics, PhD (F18)	Accepted via Phone on 19 Jan 2018 ♦	A	20 Jan 2018	awkward conversation
The University Of California, Santa Cruz (UCSC)	History Of Consciousness, PhD (F18)	Other via E-mail on 10 Jan 2018 ♦	A	20 Jan 2018	Note from grad student confirming that I am on the "short list"; follow up today from DGS confirming short list status
University Of California Berkeley (UCB)	Vision Science, PhD (F18)	Interview via E-mail on 19 Jan 2018	A	20 Jan 2018	Interview dates are March 5–6.
University Of Minnesota	Genetic Counseling, Masters (F18)	Interview via E-mail on 19 Jan 2018	A	20 Jan 2018	
Illinois At Urbana Champaign (UIUC)	(Sociocultural) Anthropology, PhD (F18)	Accepted via E-mail on 19 Jan 2018 ♦	A	20 Jan 2018	Email from the graduate coordinator incl. letter with funding package. Is this similar to what others received?

- **Two functional goals:**

- ***Qualification Evaluation:***

- Inputs (user's background):**

- Target school

- Field of Study

- GPA

- GRE score

- GRE subject

- Status(A: American; U: International,

- with US degree; I: International,

- without US degree; O: Other; ?: Unknown)

- Outputs - application cases:**

- Institution

- Program

- Decision & Date

- Status

- GPA

- GRE V

- GRE Q

- GRE W

- Notes

- ***Target Program Exploration:***

- Inputs (user's background):**

- Program of interests

- Outputs:**

- application cases

- A visualized overview of

- application cases

❏ *Qualification Evaluation*

Field of Study

Target School

GRE score

GPA: 3.7

Institution	Program	Season	Decision	Date	Status	GPA	GRE V	GRE Q	GRE W
Massachusetts Institute Of Technology (MIT)	Materials Science And Engineering (DMSE), PhD (F18)	F18	Accepted via E-mail on 22 Jan 2018	22 Jan 2018	A	3.76	165	166	4.5
(University Of California, Los Angeles (UCLA)	French And Francophone Studies, PhD (F18)	F18	Rejected via E-mail on 15 Jan 2018	17 Jan 2018	I	3.75	164	165	5
Illinois At Urbana Champaign (UIUC)	Computer Science, PhD (F17)	F17	Interview via Phone on 22 Jan 2017	27 Jan 2017	A	3.72	156	160	5.5
UCR (UC Riverside)	(ECE) Electrical And Computer Engineering, PhD (F17)	F17	Other via Other on 22 Jan 2017	24 Jan 2017	I	3.79	162	165	4.5
University Of Minnesota - Twin Cities (UMN)	Advanced Mechanical Engineering, Masters (F17)	F17	Accepted via E-mail on 10 Jan 2017	12 Jan 2017	I	3.78	160	168	5
(SUNY) Stony Brook	Cognitive Science, Psychology, PhD (F17)	F17	Accepted via Phone on 2 Jan 2017	4 Jan 2017	A	3.72	167	165	5.5
The University Of Pennsylvania	Bioengineering, Masters (F16)	F16	Rejected via Website on 13 Jan 2016	22 Jan 2016	O	3.75	160	164	5
Ohio State (OSU)	Plant Pathology, PhD (F16)	F16	Accepted via E-mail on 13 Jan 2016	15 Jan 2016	A	3.77	170	169	4.5

Target Program Exploration:

The University of Chicago

Target program

Committee on the Ministry

Comp Analysis/Public Pol

Comp Race/Ethnic Studies

Comparative Human Development

Comparative Literature

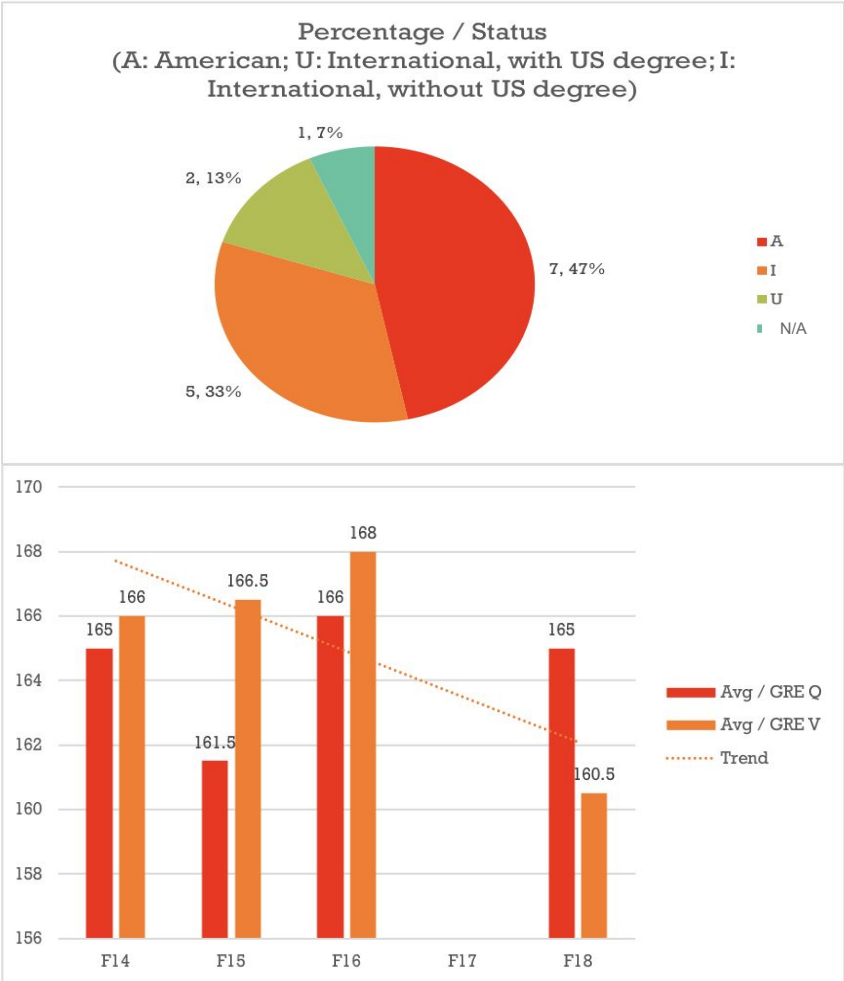
Computational Neuroscience

Computational Social Science

computational analysis in public policy									
Institution	Program	Season	Decision	Date	Status	GPA	GRE V	GRE Q	GRE W
Chicago Harris School Of Public Policy	Computational Analysis And Public Policy (MSCAPP)	F18	Accepted	12/23/2017	U				
Chicago Harris School Of Public Policy	MSCAPP	F18	Accepted	12/23/2017	I		158	162	5
University Of Chicago Harris School Of Public Policy	Computational Analysis And Public Policy (MSCAPP),	F18	Accepted	12/23/2017	A	3.76	163	168	4.5
University Of Chicago	Computational Analysis And Public Policy (MSCAPP)	F17	Accepted	02/20/2017	I				
University Of Chicago Harris MSCAPP	Computational Analysis & Public Policy (Harris School Of Public Policy)	F17	Accepted	02/17/2017	I				
Harris School Of Public Policy - University Of Chicago	Computational Analysis And Public Policy (MSCAPP)	F16	Accepted	03/11/2016	A	2.99	168	166	5.5
University Of Chicago	Computational Analysis And Public Policy	F15	Accepted	03/09/2015	U	3.53	167	161	4.5
University Of Chicago (Harris)	Computational Analysis And Public Policy	F15	Accepted	03/09/2015	A	3.8	166	162	5
Chicago Harris	Public Policy And Computational Analysis,	F14	Accepted	03/12/2014	A	3.2	162	162	4.5
Chicago Harris	Computational Analysis And Public Policy	F14	Wait listed	03/11/2014	A				

Create an overview

Overview of Computational Analysis & Public Policy (MSCAPP)



❏ Implementation

Tasks:

1. Web crawling
2. Data storage
3. Data cleaning
4. Interface design
5. Data visualization

Obstacles:

1. Not standardized data source
2. Against crawler

Project Timeline

Week 4 (1/22/2018 - 1/28/2018):

Study the html structure of GradCafe website and get familiar with its data characteristics. Then we would design the logistics of the program, break the project into small parts.

Week 5 (1/29/2018 - 2/4/2018):

We would design web crawler algorithms, grab a small sample dataset, use the dataset to test project feasibility, and revise our crawler accordingly.

Week 6 (2/5/2018 - 2/11/2018):

We would finish our crawler and scraping the actual datasets. In the meanwhile, we would design functions to analyze and visualize data.

Week 7 (2/12/2018 - 2/18/2018):

We would design user interface and implement the program with the datasets we collected.

Week 8 (2/19/2018 - 2/25/2018):

We would revise our project implementation based on project progress and do further data analysis to present visualized overviews.

Thank you!