

Jacob Feldgoise

ECONOMIST • POLICY ANALYST • ENGINEER

SUMMARY

I am a junior fellow in the Carnegie Endowment for International Peace's Asia Program and a recent graduate of Carnegie Mellon University. I have academic and professional experience in tech policy, economics, engineering, and Chinese studies. I am a 2019 Boren Scholar (Shanghai, China) with **Schedule A (r) and NDAA'13 hiring authorities**, and my technical toolkit also includes data science and programming skills. I hope to produce careful data-driven analysis to inform the decisions of public policymakers, particularly in the domains of innovation and tech policy with a regional focus on Asia.

EDUCATION

Carnegie Mellon University —

B.S. Policy & Management; May 2021

B.S. Science, Technology, and Public Policy; May 2021

B.A. Minor in Chinese Studies; May 2021

- Science and Humanities Scholars
- Honors Thesis: "Who Trains the Future? How U.S. competitiveness for Chinese undergraduate students has evolved over time."
- QPA 3.97

Shanghai International Studies University —

Short-term Chinese Language Program; July – Aug 2019

WORK EXPERIENCE

Junior Fellow, Carnegie Endowment for International Peace | Aug 2021 – Present

- 40 hrs/week
- Working directly with senior fellows: Evan Feigenbaum and Yukon Huang
- Analyzing and writing on Asian economic issues, including U.S.-China technology competition, U.S.-China trade, and U.S.-Taiwan trade
- Currently working on 3 articles/reports on the topics above

Data Analyst, FloorSight Inc. | Jan 2021 – June 2021

- 10 hrs/week
- Analyzed manufacturing production data to improve factory productivity
- Built data pipeline for manufacturing customers
- Wrote and implemented data scraping algorithms to collect data

Teaching Assistant, Heinz College of Information Systems and Public Policy |

Aug 2020 – Dec 2020

- 10 hrs/week
- TA for "Rise of the Asian Economies," taught by Prof. Lee Branstetter
- Half of students were graduate students and other half were upperclassman undergraduates
- Graded homework and exams
- Facilitated interaction between in-person and online students (hybrid course)
- Spliced lectures into Khan Academy-style videos and writing short comprehension quizzes for asynchronous content delivery

Summer Intern, U.S. House of Representatives, Committee on Science, Space, and Technology |

May 2020 – Aug 2020

- 40 hrs/week
- Synthesized event notes into a concise two-pager every week
- Analyzed House and Senate bills that would impact artificial intelligence R&D
- Researched and wrote memos on news updates upon request from the professional staff

Research Analyst, Center for Security and Emerging Technology (CSET) | Jan 2020 – May 2020

- 35 hrs/week

(617) 817-7900

PHONE

JACOB@FELDGOISE.COM

E-MAIL

LINKEDIN.COM/IN/FELDGOISE

LINKEDIN

- Researched risks of foreign artificial intelligence researchers to U.S. national security
- Wrote memos assessing the value of Chinese language sources
- Analyzed NSF data on foreign PhD graduates, coauthored [issue brief](#). Work also featured in [Washington Post](#).
- Constructed and analyzed novel dataset on Chinese talent program, coauthored [issue brief](#).
- Constructed and analyzed novel dataset to estimate number of Chinese students at U.S. schools per field over time, coauthored [issue brief](#). Work also featured in [Axios](#).

Research Assistant, CMU Air Lab | Sept 2017 – May 2021

- 5 hrs/week
- Worked with interdisciplinary team to assess drone energy productivity for last-mile package delivery, as part of project funded by U.S. Department of Energy
- Collected data, coordinated team, and wrote/edited experimental protocols for above project
- Collaborated with post-doc researchers to build fused-sensor localization system

Research Assistant, Center for Behavioral and Decision Research | Sept 2018 – May 2019

- 10 hrs/week
- Researched how people respond to feedback on their writing
- Researched ways to improve the pipeline between academic research and public policy (directly supervised by Professor George Loewenstein)
- Designed and implemented studies with multiple PhD students

Intern, Massachusetts Office of The Attorney General | May – August 2018

- 40 hrs/week
- Researched and compiled over 2,000 docs to assist 10 attorneys in ongoing high-profile factual investigation of a large company regarding consumer and investor defraudment
- Designed public materials for competitive supply market outreach

Intern, United Nations Association of Greater Boston | June 2017

- 40 hrs/week
- Developed climate change and international security Model United Nations simulations for middle school summer program
- Collaborated with 8 other interns

Research Assistant, MIT Grossman Group | July – Aug 2017

- 40 hrs/week
- Developed autonomous drone with thermal imaging and machine learning capabilities
- Worked with post-doctorate researcher

ACTIVITIES

Roosevelt Institute | Sept 2017 – May 2021

- 7 hrs/week
- Held Chapter Co-president and President positions
- Organized events including policy panels, debate watch parties, and policy discussions.
- Wrote policy proposal to increase free-play in public elementary schools
- Worked with “incubator” team to analyze proposal for P3 control of Pittsburgh’s water system

C# – Vocal Music Club | Sept 2017 – May 2021

- 10 hrs/week
- Managed bi-annual audition cycles, produced 4 large concerts per year, and maintained relationships with other organizations (Vice President for External Affairs; 2019-2021)
- Coordinated and taught rehearsals as Tenor Section Leader (D Flat Singers Choir; 2019)

University Disciplinary Committee and Academic Review Board Member | Feb 2019 – May 2021

- 6 hrs/case
- Adjudicated 3 disciplinary cases with university-wide consequences

Wound Care Start-up | Jan 2018 – Jan 2019

- 5 hrs/case
- Designed and built wound dressing applicator for emergency situations
- Conducted product viability research

Model United Nations | Sept 2011 – May 2018

- 5 hrs/week
- Attended or staffed total of 33 conferences Organized and taught clubs for 7 middle schools
- Developed and built website (bhsmun.com)

Mindcore Summer Program | June 2018

- 40 hrs/week
- Attended competitive interdisciplinary program in mind and brain studies at the University of Pennsylvania

SKILLS

Technical

- Programming & Website Development: R, Python, HTML, CSS, PHP, Javascript, Java
- Video Editing: Final Cut Pro X, Adobe Premier
- Graphic Design: Sketch, Photoshop, Illustrator
- Photography
- Audio Editing: Logic Pro X

Languages

- Mandarin (L2 ILR Rating)
- Hebrew (Basic)

Music

- Voice for 7 years
- Piano for 16 years

AWARDS

Member of Phi Beta Kappa Society

Summer 2020 Friedman Fellow

- Received \$3500 to support my work at the U.S. House of Representatives Committee on Science, Space, and Technology

2019 Summer STEM Boren Scholar

- Studied Mandarin in Shanghai on U.S. government-funded national security summer scholarship

Dell Policyhack – Pittsburgh

- Won grand prize for designing education policy to account for rapid technological change in the American workforce

2016 Stanford Health++ Hackathon

- 2nd Place Prize in Global Health and grand prize finalist
- Designed dashboard to assess risk of mosquito-borne illnesses by region

Model UN

- Won 17 awards including 11 Best Delegate awards.

Brookline Youth Award

- Awarded by town to 12 high schoolers for exceptional success, ingenuity, and creativity

PUBLICATIONS

In-flight positional and energy use data set of a DJI Matrice 100 quadcopter for small package delivery | June 2021

<https://www.nature.com/articles/s41597-021-00930-x>

The Belt and Road Initiative as a Path for Chinese Tech Company Expansion | May 2021

http://www.cmusclt.org/uploads/5/0/4/4/50448629/sclt2021-feldgoise_chui_gao.pdf

Estimating the Number of Chinese STEM Students in the United States | Oct 2020

<https://cset.georgetown.edu/publication/estimating-the-number-of-chinese-stem-students-in-the-united-states/>

In recent years, concern has grown about the risks of Chinese nationals studying science, technology, engineering and mathematics (STEM) subjects at U.S. universities. This data brief estimates the number of Chinese students in the United States in detail, according to their fields of study and degree level. Among its findings: Chinese nationals comprise 16 percent of all graduate STEM students and 2 percent of undergraduate STEM students, lower proportions than were previously suggested in U.S. government reports.

Republican's Struggle to Control State Legislatures on the Eve of Redistricting | Oct 2020

<https://www.cmu.edu/ips/research/ips-journal/cirp-journal-issue-91.pdf>

The Youth Thousand Talents Plan and China's Military | Aug 2020

<https://cset.georgetown.edu/publication/the-youth-thousand-talents-plan-and-chinas-military/>

CSET research sheds light on the backgrounds and career paths of nearly 3,600 awardees in China's Youth Thousand Talents Plan. While concerns over China's recruitment of science and technology experts for military-supporting roles are legitimate, this brief finds that the vast majority of YTTP awardees receive civilian-oriented job offers.

Trends in U.S. Intention-to-Stay Rates of International Ph.D. Graduates Across Nationality and STEM Fields | Apr 2020

<https://cset.georgetown.edu/publication/trends-in-u-s-intention-to-stay-rates-of-international-ph-d-graduates-across-nationality-and-stem-fields/>

Policymakers continue to debate the ability of the United States to attract and retain top international talent. This Issue Brief assesses how many international Ph.D. graduates across various STEM fields and nationalities intend to stay in the United States after completing their degrees.