




## EDUCATION

-  **University of Washington**  
Data Science M.S.  
Winter 2020
-  **University of California, Los Angeles**  
Computer Science B.S.  
Spring 2017
- Honors & Scholarships**  
Upsilon Pi Epsilon Honor Society  
Eta Kappa Nu Honor Society  
Commencement Student Speaker  
Henry M. Showman Prize  
Gerald J. Popek Scholarship in CS  
Eric & Peggy Johnson Scholarship in Engineering

 [linkedin.com/in/kfrankc](https://www.linkedin.com/in/kfrankc)

 [github.com/kfrankc](https://github.com/kfrankc)

 [goodreads.com/kfrankc](https://www.goodreads.com/kfrankc)

## SKILLS

### LANGUAGES

English (native speaker)  
Chinese (fluent)  
French (intermediate)

### CODE

Python, R, C++/C  
HTML/CSS, Javascript, SQL

## COURSEWORK

Statistics and Probability  
Ethics in Engineering  
Human-centered Data Visualization  
Intro to Machine Learning  
Scalable Database Systems  
Mathematical Modeling & Algorithms  
Operating Systems & Networking  
Medical Imaging  
Cybersecurity

## PROJECTS

### Data Science Capstone

Explainable AI tool for identifying market-relevance in news articles

### SciFi Through The Ages

Trends in science fiction films:  
<https://scifithroughtheages.com>

### Blood Flow Vector Visualization

Visualize medical dicom files:  
<https://kfrankc.com/cs188>

### IEEE NatCar

Design, build, race autonomous RC car on tracks marked by 1" tape  
1st at UC Davis Natcar Competition

## EXPERIENCE

Product Manager II · Redmond, WA · August 2019—present

### Microsoft

Ship retail AI product [Connected Store](#) into Public Preview in the US and UK  
Initiate end-to-end product validation framework—reduce bugs by 75%  
Strategize & execute on AI scenarios to aid front-line workers during Covid-19

Product Manager · Redmond, WA · July 2017—July 2019

### Microsoft

Create a modern, scalable, reliable, and cost effective telemetry platform for Microsoft's core internal services utilized by hundreds of teams

Undergraduate Researcher · Los Angeles, CA · March 2016—April 2017

### Center for Vision, Cognition, Learning, and Autonomy

Build detection + tracking modules in robot learning and fluent extraction  
Publish CoRL (Conference on Robot Learning) paper on deductive planning

Student Lecturer · Los Angeles, CA · Sept 2016—June 2017

### Undergraduate Student Initiated Education (USIE)

Design 10-week undergrad computer science seminar about cybersecurity  
Reach international audience with 1400+ subscribers to weekly email  
<https://kfrankc.com/cs88s>

Research Intern · Pasadena, CA · June 2015—June 2016

### NASA Jet Propulsion Laboratory

Publish two SPIE conference papers on segmenting IR bandwidth objects

Product Manager · Los Angeles, CA · Sept 2014—April 2016

### Daily Bruin (UCLA's student newspaper)

Lead end-to-end redesign of Daily Bruin's photo journalism blog visited by thousands of students and alumni

## LEADERSHIP

### Microsoft Intern Cohort Director

April 2020—Present

- Train 150+ full-time leaders to support 4000+ interns with mentorship, professional activities, and social events
- Advise on inclusivity, safety, and budget for the Cohort Program during covid-19

### Microsoft Early-in-Career Lead

Fall 2018—Spring 2019

- Build Microsoft's Early-in-Career community in engr. org of 500+
- Plan 10+ events with Corporate VPs on leadership spotlights and panel Q&As

### UCLA Resident Assistant

Fall 2015—June 2017

- Accountable for a floor of 90 residents each year in the residential dorms on safety, well-being, growth, community

### LA Hacks Director of Mentorship

Fall 2015—April 2017

- Lead mentorship crew of 50+ at LA Hacks, UCLA's premier hackathon that attracts 1500+ students around the US
- Create beginner workshops for first-time participants to lower barrier of entry in computer science
- Enable students to connect with tech industry mentors about internships, careers, and professional development

### Engineering Society Internal VP

Fall 2014—June 2015

- Organize Engineering Week, a week-long celebration of UCLA Engineering for 3000+ engineering undergrads
- Coordinate with External VP and team to run Engineering Welcome Day for 500+ incoming engineering students

## PUBLICATIONS

- |      |      |   |
|------|------|---|
| 2017 | CoRL | Learning Human Utility from Video Demonstrations for Deductive Planning in Robotics |
| 2017 | SPIE | Intelligent multi-spectral IR image segmentation                                    |
| 2016 | SPIE | Cross-Correlation and Image Alignment for Multi-Band IR Sensors                     |