

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

 [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—Sept 2020

- 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

June 2018—June 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

Sept 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

Sept 2016—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

Sept 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