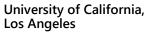
# Frank Chen

# **EDUCATION**



**University of Washington** Data Science M.S.

Winter 2020



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



github.com/kfrankc



goodreads.com/kfrankc

## **SKILLS**

#### **LANGUAGES**

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

#### CODE/TOOLS

Python, R, HTML/CSS, Javascript PowerBI, PowerApps, Tableau

# **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

Music Through The Ages Billboard Top 100 Analysis https://tinyurl.com/bboard100

**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 Al product Connected Store into Public Preview in the US and UK
- Specialize in building turnkey intelligent cloud-intelligent edge solutions
- Create vision for edge hardware setup via zero-touch provisioning
- Initiate end-to-end product validation framework—reduce bugs by 75%
- Manage multiple partner relationships across Azure, Al, and Research
- Strategize & execute on AI scenarios to aid front-line workers in covid-19
- Pitch product to executives at 2020 National Retail Federation Conference

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

#### Microsoft

- Build a scalable, reliable, and cost effective telemetry platform from 0 to 100
- Drive product utilization across hundreds of engr & data science teams

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

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

- Implement detection & tracking modules for robot learning
- 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

# **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