





## 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  
Eta Kappa Nu  
Commencement Student Speaker  
Henry M. Showman Prize  
Gerald J. Popek Scholarship in Computer Science  
Eric and Peggy Johnson Scholarship in Engineering

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

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

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

## SKILLS

### LANGUAGES

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

### TECHNOLOGIES

Figma | Git | VS Code  
Azure DevOps | Kusto | PowerBI  
Tableau | Jupyter

## COURSEWORK

Statistics and Probability  
Data Visualization  
Intro to Machine Learning  
Scalable Database Systems  
Mathematical Modeling  
Functional Programming  
Medical Imaging  
Cybersecurity








## LEADERSHIP

**Microsoft Early in Career Lead**  
Fall 2018—present  
Build Early in Career Community

**Resident Assistant**  
Fall 2015—June 2017  
Responsible for a floor of 90 residents in UCLA Residential Dorms.

**LA Hacks Dir. of Mentorship**  
Fall 2015—Spring 2017  
Mentorship organizer of UCLA's Student Hackathon

## EXPERIENCE

-  **Microsoft**  
Program Manager II · Seattle, WA · August 2019—present  
Build business applications in Mixed Reality at Work using IoT, computer vision, and intelligent edge.
-  **Microsoft**  
Program Manager · Seattle, WA · July 2017—July 2019  
Create a modern, scalable, reliable, and cost effective telemetry platform for Microsoft's core internal services
-  **Taboola**  
Software Engineering Intern · Los Angeles, CA · March 2016—June 2016  
Build authentication middleware system using React & Node.JS
-  **Center for Vision, Cognition, Learning, and Autonomy**  
Undergraduate Researcher · Los Angeles, CA · March 2016—April 2017  
Build detection + tracking modules in robot learning and fluent extraction
-  **Jet Propulsion Laboratory**  
Research Intern · Pasadena, CA · June 2015—June 2016  
Publish two SPIE conference papers on segmenting IR bandwidth targets
-  **Undergraduate Student Initiated Education (USIE)**  
Student Lecturer · Los Angeles, CA · Sept 2016—June 2017  
Design 10-week undergrad computer science seminar about cybersecurity; Reached international audience with 1400+ subscribers to weekly email
-  **The Daily Bruin**  
Program Manager · Los Angeles, CA · Sept 2014—March 2016  
Lead end-to-end redesign of [Spectrum](https://spectrum.com), Daily Bruin's photo blog

## PROJECTS

### SciFi Through The Ages

Data visualization project to show trends in science fiction films:  
<https://scifithroughtheages.com>

### Blood Flow Vector Field Visualization

Visualize dicom medical files via frame-by-frame skeletonization, path computation using BFS, and browser-based vector-field rendering using Javascript: <https://kfrankc.com/cs188>

### IEEE NatCar

Design, build, & race an autonomous RC car on tracks marked by 1"-wide white tape  
**1st** at UC Davis NATCAR Competition of 40+ teams

### RoboHome

Create model home that can be remotely controlled using Myo armband, Pebble, Smartphone, and laptop.  
**1st** out of 200+ competitors

### MyoDrone

Build a selfie-drone controlled using the Myo armband + Intel Edison  
**Top 30** out of 1000+ competitors

## PUBLICATIONS

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