

EDUCATION

UNIVERSITY OF WASHINGTON

DATA SCIENCE M.S.
Spring 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 Scholar-
ship in Engineering

SKILLS

LANGUAGES

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

TECHNOLOGIES

Shell/Bash | Git | Sublime Text
Azure DevOps | Kusto | PowerBI
Tableau | Arduino IDE

LINKS

Github: /kfrankc
LinkedIn: /kfrankc
Goodreads: /kfrankc

COURSEWORK

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

LEADERSHIP

Resident Assistant

Fall 2015–June 2017
Responsible for a floor of 90
residents in UCLA Residential
Dorms.

LA Hacks Director of Mentorship

Fall 2015–Spring 2017
Mentorship organizer of UCLA's
Student Hackathon

Bruin Entrepreneurs

Fall 2014–Spring 2015
Led incubator program for UCLA
student entrepreneurs

EXPERIENCE

MICROSOFT

PROGRAM MANAGER

Seattle, WA | July 2017 – present

- > Save Service Engineers hundreds of hours using ML to auto-route SAP incidents
- > Drive onboarding & adoption for 500+ services in CSE to Unified Telemetry Platform
- > Early in Career Lead for Core Platform Engineering, part of Diversity & Inclusion Initiative

CENTER FOR VISION, COGNITION, LEARNING, AND AUTONOMY

UNDERGRADUATE RESEARCHER

Los Angeles, CA | March 2016 – April 2017

- > Undergraduate researcher for Dr. Song-Chun Zhu
- > Research in robot learning & fluent extraction
- > Built detection + tracking modules for teaching robots to fold shirts

JET PROPULSION LABORATORY

COMPUTER VISION RESEARCH INTERN

Pasadena, CA | June 2015 – June 2016

- > Research Intern under Dr. Thomas Lu (349B)
- > Achieved 90% accuracy for segmenting IR multi-bandwidth targets
- > Published two SPIE conference papers on pipeline for segmenting IR targets

CS 88S: UNDERGRADUATE STUDENT INITIATED EDUCATION (USIE)

STUDENT FACILITATOR

Los Angeles, CA | Sept 2016 – June 2017

- > Designed a 10-week undergraduate computer science seminar to introduce students to cybersecurity fundamentals & protecting themselves in cyberspace
- > Reached an international audience, with more than 1400 people subscribed to my weekly email updates on topics and relevant articles covered in the course

WORKDAY

APPLICATION DEVELOPMENT INTERN

Pleasanton, CA | June – Sept 2016

- > Implemented Tax Location Mapping Reports as part of Workday 28 Release.
- > Created get/put APIs for Workday Web Services

TABOOLA

SOFTWARE ENGINEERING INTERN

Los Angeles, CA | March – June 2016

- > Implemented user authentication systems using React & Node.js
- > Built modules to communicate with Taboola Backstage API from scratch

PROJECTS

IEEE NATCAR

Los Angeles CA | Sept 2014 – June 2015

Design, build, & race an autonomous RC car on tracks marked by 1"-wide white tape

1st place at UC Davis NATCAR Competition of 40+ teams,

3rd place at UCSD Grand PrIEEE Competition out of 30+ teams

ROBOHOME [IDEA HACKS 2016]

Los Angeles CA | Feb 2016

Created model home with door, lights, shower, and TV that can be remotely controlled using Myo armband, Pebble, Smartphone, and laptop.

1st Place out of 200+ competitors

MYODRONE [PENNAPPS 2015]

Philadelphia, MA | Jan 2014

Built 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