

EDUCATION

**UNIVERSITY OF CALIFORNIA,
LOS ANGELES**
BS IN COMPUTER SCIENCE
Spring 2017

HONORS / SCHOLARSHIPS

Upsilon Pi Epsilon
Eta Kappa Nu
Henry M. Showman Prize
Gerald J. Popek Scholarship in
Computer Science
Eric and Peggy Johnson Scholar-
ship in Engineering

MISSION SAN JOSE H.S.
Grad May 2013

SKILLS

LANGUAGES

C++/C, MATLAB/Octave,
HTML/CSS, Javascript, Python

TECHNOLOGIES

Visual Studio / CLion, Git, React.js
Shell/Bash, Arduino IDE
AutoDesk, OpenCV

LINKS

Github: /kfrankc
LinkedIn: /kfrankc
Medium: @kfrankc
Goodreads: /kfrankc

COURSEWORK

Artificial Intelligence
Machine Learning
Mathematical Modeling
Operating Systems
UNIX/Linux Programming
Database Systems
Functional Programming
Cybersecurity

LEADERSHIP

Resident Assistant

Fall 2015—present
Responsible for a floor of 90
residents in UCLA Residential
Dorms.

IDEA Hacks Organizer

Fall 2015—Spring 2017
Sponsorship organizer of UCLA's
Hardware Hackathon

Bruin Entrepreneurs

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

EXPERIENCE

MICROSOFT

PROGRAM MANAGER
Seattle, WA | July 2017 — present
> Drive automatic incident routing project in Enterprise Infrastructure Services
> Co-Lead for MACH Technology & Services

JET PROPULSION LABORATORY

COMPUTER VISION RESEARCH INTERN
Pasadena, CA | June 2015 — June 2016
> Research Intern under Dr. Thomas Lu (349B)
> Spearheaded frame by frame tracking of IR multi-bandwidth infrared images
> Achieved 90 % accuracy for segmenting targets using neural network
> Published two papers at SPIE conferences

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 causal relationships, fluent extraction, & learning
> Built detection + tracking modules in OpenCV for teaching robots to fold shirts
> Submitted papers to NIPS and IJCAI conferences.

WORKDAY

APPLICATION DEVELOPMENT INTERN
Pleasanton, CA | June 2016 — present
> 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

CS 88S: Undergraduate Student Initiated Education (USIE)

STUDENT FACILITATOR
Los Angeles, CA | Sept 2016 — present
> 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

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
2016 Unsupervised Learning of Fluents from Human Demonstrations
2017 SPIE Intelligent multi-spectral IR image segmentation
2016 Learning Human Utility from Video Demonstrations for Deductive Planning in Robotics