Frank Chen

kfrankc.me | frank.chen@ucla edu | 510-565-8237

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 Scholarship 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 in Enterprise Infrastructure Services division

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

Year	Venue	Title
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