Frank Chen

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

BS IN COMPUTER SCIENCE
Expected Spring 2017

Cumulative GPA: 3.4
Upsilon Pi Epsilon
Eta Kappa Nu
Gerald J. Popek Scholarship in Computer Science

MISSION SAN JOSE H.S.
Grad May 2013

LINKS

Github: //kfrankc
LinkedIn: //kfrankc
Devpost: //kfrankc
Medium: @kfrankc

COURSEWORK

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

SKILLS

PROGRAMMING
C++/C
MATLAB
HTML/CSS
React.js
Node.js

TOOLS
Visual Studio / CLion
MATLAB
Shell/Bash
Arduino IDE
AutoDesk
Sublime Text

EXPERIENCE

JET PROPULSION LABORATORY

COMPUTER VISION RESEARCH INTERN   Pasadena, CA | June 2015 — June 2016
> Research Intern under Dr. Thomas Lu (349B)
> Spearheaded tracking + segmentation of IR image signatures from infrared images; Built testbed for multi-bandwidth correlation
> Implemented neural network training module for intelligent classification of infrared targets + achieved 90 % accuracy for tracking targets
> Submitted abstract to SPIE computer vision conference in April 2016.

CENTER FOR VISION, COGNITION, LEARNING, AND AUTONOMY

UNDERGRADUATE RESEARCHER   Los Angeles, CA | March 2016 — June 2016
> 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
> Currently working on Neural Information Processing Systems (NIPS) paper for a conference in Spring 2016

WORKDAY

APPLICATION DEVELOPMENT INTERN   Pleasanton, CA | June 2016 — present
> Currently applying Object Oriented design principles and UML.
> Actively involved in agile development with the Workday Payroll team

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
> Actively involved in Taboola's agile development methodologies

THE DAILY BRUIN

ONLINE PROJECT MANAGER   Los Angeles, CA | Sept 2014 — March 2016
> Spearheaded complete re-design of *Spectrum*, Daily Bruin's photo blog.
> Led a team to build interactive website for UCLA dorm communities.
> Presented workshop on Sublime + Git tools for new incoming Online DB staff.

PROJECTS

IEEE NATCAR   Los Angeles CA | Sept 2014 — June 2015
Design, build, and race an autonomous RC car on customized windy 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