Frank Chen

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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 Scholarship 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
Functional Programming
Medical Imaging
Cybersecurity

LEADERSHIP

Microsoft Early in Career Lead
Fall 2018—present
Build Early in Career Community in my org Core Platform Engr.
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

EXPERIENCE

MICROSOFT
PROGRAM MANAGER   Seattle, WA | July 2017 — present
- Save Service Engineers hundreds of hours using ML to auto-route SAP incidents
- Product Owner for CSE&O big data and telemetry platform
- Drive onboarding & telemetry adoption for 500+ services in CSE&O

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

THE DAILY BRUIN
ONLINE PROJECT MANAGER   Los Angeles, CA | Sept 2014 — March 2016
- Spearheaded complete re-design of *Spectrum*, Daily Bruin's photo blog.
- Presented workshop on Sublime + Git tools for new incoming Online DB staff.

PROJECTS

SCIFI THROUGH THE AGES   Seattle WA | Sept 2018 — Dec 2018
Data visualization project to show trends in science fiction films
URL: https://scifithroughtheages.com

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