FELIX SU

Practical Programming Ninja

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EDUCATION

University of California, Berkeley   Sep 2014 - May 2018

B.A. Computer Science

Awards: Wells Fargo Protothon Finalist (2014), CAA Leadership Award (2014)
Courses: AI, Data Computing, Machine Arch., Data Struct./Java, Python, Digital Sys., Lin. Alg., Discrete Math/Probability

SKILLS AND LANGUAGES

Languages   Java, Python, C, JavaScript, HTML/CSS, jQuery, R, Bash, LaTeX, MIPS, XML
Frameworks   TensorFlow, OpenCV, Meteor, AngularJS, ReactJS, Blaze, Ionic, Skeleton, NumPy, MEAN, NodeJS
Services/API MongoDB, Firebase, Heroku, SendGrid, Git, Google (Maps, Search, etc.), Postmates, Stripe, Ace, Filestack

WORK EXPERIENCE

AKALA

Los Angeles, CA
May 2017 - Aug 2017

Full Stack Software Engineer Intern
- Developed a mobile app for virtual college counseling using Meteor as a full stack framework
- Reduced effects of server calls on UI/UX by using localStorage as a middleman cache

Beeyond Inc.

San Francisco, CA
Jun 2015 - Sep 2015

Software Engineer Intern - Mobile Applications
- Developed an API and Angular MVC structure for a mobile app linked to a Firebase database.
- Created a Mocha-Chai framework with Protractor.js for E2E testing and Karma for unit testing
- Implemented authentication flow with database checks and front-end alerts for faulty inputs
- Lazy loaded tinder-style cards and optimized the database schema for UI/UX performance.

PROJECTS

Stella - github.com/callaunchpad/Stella   **Launchpad Demo** | Jan 2017
- Built an artificially intelligent chrome extension using speech recognition APIs to browse the web with voice commands
- Working to improve test accuracy by training RNN and LSTM networks with recordings and data scraped from the web

Hackerpad - github.com/felixs8696/hackercred   **Personal Project** | Dec 2016
- Developed a collaborative coding environment with chat, video, and file sharing capabilities using ReactJS and MongoDB
- Implemented server-less peer to peer connections in an ace editor and chat interface using WebRTC and Socket.io

Hack In - www.hackin.io   **European Innovation Academy** | Aug 2016
- Used Meteor and MongoDB to develop a customized technical assessment platform to vet developers and freelancers
- Wrote 5000 lines of code with the CTO in 3 weeks to ensure smooth function with redundant data backups in BETA
- Working on remote server compilers to rank applicants using automated computational and practical code evaluations

CALERT - calert-web.herokuapp.com   **Personal Project** | Apr 2016
- Used the Google Maps API to mark incidents on a desktop map by crowdsourcing campus PSAs and police reports
- Developed an app that turns on GPS tracking and alerts officials and friends of emergencies with a single button press

LEADERSHIP AND ORGANIZATIONS

Founder | Launchpad   Jan 2017 - Present
- Designed a curriculum for students to use artificial intelligence, machine learning, and computer vision to solve problems
- Created a website using Google Sheets and App Scripts as a backend to avoid database loading and non-static hosting
- Generated 6000+ views on demos of Stella, a speech recognition bot and RecognitionCV, a hand and face tracking API

CS61A/CS61B Lab Assistant | UC Berkeley EECS Department   Aug 2015 - Dec 2015
- Hosted lab hours to help students with Python coding concepts regarding inheritance, abstraction, and environments
- Taught best practices with Java and how to minimize runtime using sorting algorithms and complex data structures