



Lukas Froehlich

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Experience

Hulu – Software Developer Intern

June 2015 - August 2015

- Worked on the payments team to develop a generalized anomaly detection service. Allowed users to add queries to be monitored.
 - Worked with the payments code base to filter out all sensitive information from the logs.
- Tools Used: Python, CherryPy, Javascript, Scala, MongoDB, D3

Design Team Member

December 2013 - April 2014

PIGEON, San Luis Obispo, CA

- Created mockups of various UI and UX components as well as other areas of design (style guide, branding) for an emerging startup.

Skills

Experienced: Python, Java, Web

Learning: Scala, Node.js, Haskell, D3, Swift

Fluent in English, German, Mandarin

Education

Bachelor of Science in Computer Engineering Minor in Data Science

California Polytechnic State University

Anticipated Graduation: June 2017

GPA: 3.866

Relevant Coursework:

CPE 349: Design and Analysis of Algorithms

CPE 103 Fundamentals of Computer Science III

Achievements:

Cal Poly Presidents List 2013-4

Projects

dtour – Road Trip Planner

October 2015

- Uses the Google Maps Directions API and the Yelp API to plan places to stop on a road trip.
 - The app calculates where the driver will be at meal times and suggests highly rated restaurants in that area.
- Tools Used: Node.js

Automated Device Interaction – IR Remote

August 2015

- Web service to send IR commands to a raspberry pi, which were then transmitted to a living room device.
 - A backend handles the tasks and task history while the raspberry pi hosted its own endpoint that converted commands to IR signals.
- Tools Used: Python, Flask, Raspberry pi

Poker Bot – Highly Optimized Gambling

July 2015

- Created a poker app that would allow users to connect poker bots and play poker.
 - Components included managing various game states, win conditions and game flow.
- Tools Used: Python, Flask.

Involvement

Cal Poly Investing Club, Amateur Rocketry, Time Lapses, Backpacking