ELLIOT KIRK

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SUMMARY

I am a 4th year Computer Science student, graduating in the Fall of 2018, with interests in web design, full stack development, and artificial intelligence.
My objective is to join a progressive company where I will be challenged and can find creative solutions to interesting problems.

EDUCATION

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
BACHELOR OF SCIENCE - COMPUTER SCIENCE
AUGUST 2014 - PRESENT
Notable coursework includes Dynamic Web Development, Artificial Intelligence, Database Systems, Design and Analysis of Algorithms, Operating Systems, and Systems Programming.

PROJECTS

PONG GENETIC ALGORITHM
GITHUB.COM/ESKIRK/GENETICALGORITHMPONG
A Python implementation of a genetic algorithm which learns to play pong.

FULL-STACK CHAT SERVICE APPLICATION
GITHUB.COM/ESKIRK/CHATSERVICE
A NodeJS and MySQL backend, paired with a React front end that supports user accounts, sign-ins, and messaging between users.

EXPERIENCE

SOFTWARE ENGINEER - DIGITAL DEMOCRACY
OCTOBER 2017 - PRESENT
In Drupal 8, I consolidated the sprawling database into a more concise form and performed a redesign of the map plugin on the front end of our website. After working in Drupal I moved into working on a full-stack JavaScript web application, the Digital Democracy transcription tool, complete with a RActive.js front-end and Java back-end.

SOFTWARE ENGINEER - PROJECT JUPYTER
APRIL 2016 - JUNE 2017
Used TypeScript, HTML, and CSS to develop JupyterLab, a web based development environment for scientific computing. I worked with a team to create various widgets and front-end refinements based on data from user tests.

CAL POLY INFORMATION TECHNICAL SYSTEMS - RESNET
AUGUST 2015 - APRIL 2016
Web development and tech support for the Cal Poly campus tech services. Worked on the ticket system built with the Django web framework. Resolved various network connectivity and other tech related issues.

SKILLS

LANGUAGES: Python, JavaScript, TypeScript, Java, C, PHP, SQL, HTML, and CSS.
TECHNOLOGIES: Git, Drupal 8, Linux, Scikit Learn, Tensorflow, jQuery, React, Redux, RActive, and NodeJS.

REFERENCE

BRIAN GRANGER - ELLISONBG@GMAIL.COM
Data Science Professor at Cal Poly
Co-Founder of Project Jupyter