Eric Leong

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EDUCATION

U.C. BERKELEY

BA in Computer Science
Expected May 2021 | Berkeley, CA
Cum. GPA: 3.9 / 4.0
Major GPA: 3.88 / 4.0
Honors: Dean's List

COURSEWORK

UNDERGRADUATE

Web Design
Struc.+ Interp. of Comp. Programs
Data Structures
Discrete Math and Probability
Information Devices and Systems I
Efficient Algorithms & Problems
Machine Structures
Artificial Intelligence
Supervised Indep. Study
Supervised Research
(Research Assistant)

SKILLS

PROGRAMMING

Proficient:
Java • Python (Django) • HTML/CSS
Javascript (ES6, JSON, Node.js) • React
Familiar:
LaTeX • Android • NIPY
PostgreSQL • Unix • Lisp

LINKS

Github:// **mageofboy**
LinkedIn:// **eric-leong**

EXPERIENCE

CATALISTX | Full Stacks Engineering Intern

November 2018 – Present | Berkeley, CA

- Developed new features in many components of the website to improve UI
- Working with React.js, Python (Django), HTML/CSS/JS

IEEE BERKELEY | Web Design Team Director

January 2018 – Present | Berkeley, CA

- Manage a committee that develops and updates our organization's website
- Initiate new projects for committee members that implement front-end features for the website.
- Responsible for redesign of the website's mobile interface
- Use React, HTML/CSS/JS, JSON, Node.js

RESEARCH

WILLIAMS LAB | Undergraduate Research Assistant

September 2018 - Present | Berkeley, CA

- Research on the computational approaches to test for molecular convergence in species of animals that express programmed dormancy
- Assisting Professors Williams and Sudmant with the development of an algorithm to test for molecular convergence.
- Developed an algorithm that pulls data from a genome database to find orthologous gene mappings between species. Presented progress at several research symposiums.

BERKELEY ULAB | Undergraduate Researcher

October 2017 - May 2018 | Berkeley, CA

- Guided by mentors, conducted independent research on the symptoms and clinical outcomes of brain atrophy in multiple sclerosis
- Used neuroimaging programming tools, such as NIPY, to create a script that approximately calculates the volume of brain from MRI

PROJECTS

NAME TAG Cal Hacks Project

- Developed a Social networking android app. Responsible for the backend SQLite database to store contact information and the location tracker to remember contact location.

AMAZONS GAME Personal Project

- Developed a Java implementation of the 2-player game, Amazons, with a GUI
- Implemented an AI, using the alpha-beta pruning algorithm, that users can play against.

FANOMETER SacHacks Project

- Developed and proposed a feature for Sac Kings app that would increase fan engagement. Responsible for speech detection feature to measure average decibel of sound in surrounding area.
- Used Arduino, python for main features and HTML/CSS/JS to display features to judges