

MASON KOHLS

Berkeley, California · mason.kohls@berkeley.edu · 19167519928

EDUCATION

University of California, Berkeley

BA Computer Science, Physics, Mathematics *GPA: 3.57*

Berkeley, CA

Aug 2017 - May 2021

EXPERIENCE

Act 4 Software Inc.

Software Intern

Remote

Jun 2019 - Aug 2019

- Researched applications and methods for NLP (Natural Language Processing) in processing legal case notes.

Moonbounce

Undergraduate Researcher

Berkeley, CA

Jan 2020 - May 2020

- Developed a program to predict emitter locations from doppler shifts in Earth-Moon-Earth transmissions.

Self Employed

Freelance Developer

Sacramento, California

May 2020 - Aug 2020

- Developed office automation tools for processing case files.
- Developed goal-tracking app for sports psychologist.

SKILLS

Programming Languages (Advanced): Python, Java

Programming Languages (Intermediate): C, HTML, RISC-V

Programming Languages (Beginner): Dart, Javascript, Golang, CSS, C++, SQL

PROJECTS

Email Parser *Python*

An office automation tool for processing emails and their attachments into a standardized pdf form. It was estimated to save 300 man-hours in its first month of use.

Goal Tracking App *Dart*

A weekly goal-setting app designed in Dart. Allows you to set weekly goals and review each weeks progress.

MTGO Trading Card Bot *Java, Selenium, Tesseract*

Personal project. Performs arbitrage on Magic the Gathering Cards. Program done in java and involved web scraping, OCR, and networking.

Too Many Weird Aliens *Python*

<https://bluecakewithcows.itch.io/too-many-weird-aliens>

Personal Project. A small game made for Ludum Dare, a 48-hour game jam.

RELEVANT COURSEWORK

Introduction to Artificial Intelligence

Introduction to Machine Learning

Computer Architecture and Engineering

Computer Security

Advanced Experimentation Laboratory

Numerical Analysis

Linear Algebra

Mathematical Methods for the Physical Sciences