

# AARON BRIER

briera@uci.edu | linkedin.com/in/aaronbrier | github.com/aaronbrier | aaronbrier.com | Fremont, CA

## EDUCATION

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### University of California, Irvine

*Sept. 2018 - June 2022*

B.S. in Computer Science

3.97 of 4.0 GPA

### Relevant Coursework

Data Structures & Algorithms, Design and Analysis of Algorithms, Operating Systems, Computer Organization, Principles in System Design, Computer and Network Security, Intro to Artificial Intelligence, Intro to Databases, Probability and Statistics, Boolean Logic and Discrete Math

### Extracurriculars

Association for Computing Machinery (ACM)

- Participate in discussions on data structures and algorithms twice a week

## EXPERIENCE

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### Paciolan | University of California, Irvine

*Jan. 2021 - Present*

Member

- Currently working with 4 team members to develop a contactless payment system for ticket sales
- Part of a capstone project sponsored by Paciolan

### Donald Bren School of ICS | University of California, Irvine

*Jan. 2020 - Mar. 2020*

Lab Tutor

- Tutored over 30 students in programming with Python. Taught object oriented programming, using third party libraries, and using web APIs
- Met 3 times per week, 80+ minutes per meeting

## PROJECTS

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### Minesweeper AI | Python

- Created a program to solve randomly generated minesweeper boards
- 80%+ success rate on 16x16 boards with 40 bombs

### Reddit Web Scraper | Python

- Created a program that searches through comments posted on Reddit.com to find the overall sentiment Reddit users have on publicly traded companies
- Utilizes Python Reddit API Wrapper (PRAW) and Textblob API for natural language processing

### Multi-client chat server | C

- Built a chat server that supports chat rooms with multiple users, as well as private messaging between users
- Utilizes threads and locking mechanisms to support concurrency between connected users

## TECHNICAL SKILLS

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**Languages:** Python, C++, C, HTML/CSS, SQL

**Tools:** Git

**Operating Systems:** Windows, GNU/Linux, MacOS