

Eric Lee

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LinkedIn: <https://www.linkedin.com/in/leeminhyuk/> Github Portfolio:
<https://ericmlee.github.io>

Education

University of California, Santa Cruz - June 2021

- Bachelor of Science in Computer Science with a GPA 3.4

West Valley Community College - May 2019

- Associate in Computer and Math with a GPA 3.85

Experience

Mobile Engineer, Blushtuch - June 2020 to Present

- 2020 Start-up company that connected service providers to clients
- Constructed and maintained the Firebase database
- Developed up to 20 frontend screens using flutter working with the screen designer
- Trained 2 new team members on the technology that was being used
- Researched backend technologies such as Stripe and their best practices

Projects

Pacman AI

- Developed pacman agents that solved the given maze to its best ability
- Implemented Decision Trees, Search algorithms, and Reinforcement Learning algorithms

Emailer

- Constructed an emailer frontend and backend single handedly
- Attached a server and database to handle sending and receiving emails
- Coded using Javascript, React and Express

Pintos

- Furthered an OS project that dealt with threading, scheduling and anything multiprocess
- Improved the built in timer by adding smartly placed sleeps
- Implemented a scheduling procedure for priority threads by adding priority donations

Compiler

- Assembled a compiler that executed intermediate languages and wrote the output to a file
- Communicated with a partner in order to allocate equal amount of work
- Programmed using Ocaml and Scheme for my Comparative Language class

Chess

- Simulated a chess game in Java using JFrame for visualizations
- Concentrated on Object Oriented Programming and creating a chess AI
- Brainstormed with interested clients to add 4 new custom pieces to make a new set

Visual Sorting - <https://ericmlee.github.io/sorting>

- Interactive website that allows users to visualize the major sorting algorithms
- Programmed using strictly Javascript, CSS and HTML

Weigh My Grade - <https://ericmlee.github.io/weighmygrade/>

- Maintained a website that gave support to those who needed help calculating their grade
- Supported multiple entries with a simple easy to use User Interface

Skills

Languages - C, C++, Java, Python, Javascript, Dart, MIPS, Scheme, Ocaml, Prolog, PostgreSQL

Software - Git, Firebase, MongoDB, Stripe, Firestore, Docker

Libraries - Flutter, Bootstrap, ReactJS, Express.js, gpdraw, MaterialUI, Nodejs

Tools - Figma, Visual Studio Code, Excel, Android Studio, Slack, Jira, Databases