

Patrick Parker

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Education

Brigham Young University

Sept 2017 - Apr 2024

B.S. Computer Science & Entrepreneurship Minor

Provo, UT

GPA: 3.8

- **Data Structures and Algorithms** - Learned programming fundamentals by implementing and analyzing algorithms and data structures such as Dijkstra's Algorithm
- **Software Design** - Developed projects including a mock version of twitter to learn design patterns for building scalable software
- **Data Science** - Analyzed large dataset using Python and algorithms such as K-means clustering to find patterns

Sandbox Entrepreneur Program

Jan 2023 — Apr 2024

- Created a python service that uses a webscraper and LLM embeddings to find common themes in consumer reviews to help companies understand trends in their industry
- Refactored cpu-intensive sections of code to a microservice to fix performance issues
- Set up a caching system to increase processing pipeline speed by 20%
- Leveraged GitHub and AWS to run a CI/CD pipeline to automate testing and deployment

Skills

Advanced — JavaScript, Python, HTML/CSS, Vue, Tailwind, Nodejs, Nuxt, Docker

Familiar — C, C++, C#, TypeScript, Java, SQL, React, Android, Bootstrap, Prisma, Nextjs, AWS

Experience

Student Web Developer

Sept 2021 — May 2024

Brigham Young University

- Collaborated with a team of 12 developers to rebuild the front-end of a learning platform used by over 30,000 students and professors
- Developed pieces of a custom UI library to speed up site development
- Leveraged GitLab to organize and track bugs and feature branches to coordinate with other developers and solve problems identified by users and testers

App Developer

June 2023

Moody Brown Law

- Built a simple application to speed up the process of collecting overdue payments
- Increased the speed of collection agent by 200% by streamlining their workflow

Web Developer

July 2022 — Sept 2022

MicDrop

- Brought web pages through full lifecycle from outline to production
- Quickly grasped AdobeXD, Vuetify, and TypeScript to design and create each web page