

Skills

Languages: Python, JavaScript, Swift, PostgreSQL, HTML/CSS

Frameworks: React, Redux, Node.js, Flask, SQLAlchemy ORM, SwiftUI

Tools: XCode, Git, Bash, Heroku, Jira, Confluence

Experience

Web Applications Developer

React, Redux, Flask, PostgreSQL

University of Waterloo CS Computing Facility, Waterloo ON

Jan 2021 – Apr 2021

- Used Redux to manage asynchronous state updates across the entire web-app to keep classroom booking info up to date
- Created a REST API with Python and Flask to retrieve professor and student information from a PostgreSQL database
- Updated the SQLAlchemy models to conform with a new schema

Fullstack Developer

React, Node.js

Prodigy Game, Toronto ON

Jan 2020 – Apr 2020

- Developed and refactored React components for the Prodigy membership page to enhance user experience and interaction
- Integrated the Optimizely SDK into the backend to track key interest points while running A/B tests
- Updated the payments portal to use the Stripe API to process credit card payments
- Wrote unit tests using Jest and Enzyme to ensure bug free code was released

Projects

TFTracker

React, Flask

- Built a web app to help TeamFight Tactics players track the opponents they face
- Created an easy-to-use interface with React and Styled Components to allow users to enter their opponents' name and see possible future opponent matchups
- Used Flask to handle the opponent tracking logic and updating changes to the frontend

Memorize Card Game

SwiftUI

- Wrote a card game application in swift using the SwiftUI framework and MVVM architecture
- Created a clear UI for users to add or edit custom themes for the cards
- Leveraged animations to display when cards are flipped and matched
- Implemented a time-based scoring system that rewards faster card matching

Education

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Computer Science

Sept 2018 – Sept 2023