

BRANDEN PHAN

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EDUCATION

University of Guelph

Apr 2024

Bachelor of Computing (4.0 GPA)

- Major in Computer Science, Minor in Business

EXPERIENCE

Yumebini

Mar 2024 – June 2024

Full-stack Developer (Free-Lance)

Hamilton, ON

- Designed and implemented an e-commerce web app on Shopify, expanding the company's digital presence with a modern UI and driving 50+ new customers
- Developed 6 custom components using HTML/CSS and Shopify's Liquid codebase, creating new features that match the brand's vision and differentiate from standard Shopify web apps
- Improved the wishlist component, linking items to user accounts by manipulating customer metafields with Shopify's API, eliminating the need to store items in the browser's memory

Guelph Dental

May 2022 – June 2022

Full-stack Developer (Free-Lance)

Guelph, ON

- Increased app traffic by 50% through re-engineering a local dentistry web app, designing a new and intuitive UI and building 7 scalable pages in React
- Integrated a booking system with EmailJS, streamlining client scheduling and saving over 1 hour of daily reception time
- Stored static data in a database, creating an interface that can change data and reduce app maintenance

Lotus

Dec 2021 – Mar 2022

Front-end Developer (Free-Lance)

Hamilton, ON

- Developed a React web app, collaborating in a cross-functional team of 3 to improve customer service
- Reduced page load times by 90%, optimizing a high volume of web app images by resizing and compressing
- Established a test suite with Mocha for site uptime and front-end components, testing for 2 months and catching 5 errors

PROJECTS

Recapify | TypeScript, React, Python

May 2024

- Created a Google Chrome extension, collaborating in a team of 3 to provide an interface that summarizes text using AI
- Integrated OpenAI's LangChain API with Python, using GPT-3.5 to generate text summaries under 10 seconds

Course Search | JavaScript, React, Next, Node, Playwright

Mar 2022 - Apr 2022

- Collaborated in a team of 6, deploying a full-stack web app with React and Next
- Developed React components to create a UI that allowed users to search courses, degree schedules, and prerequisite trees for the University of Guelph and British Columbia
- Wrote JavaScript functions to scrape 200+ courses and 100+ degrees from the University web apps
- Generated 20+ automated tests with Playwright, catching all errors that may occur during the query and display of data

Schedule Maker | JavaScript, React, Node, Express, MongoDB, Firebase

July 2021 - Aug 2021

- Created a full-stack web app that allows users to make schedules saved under personal accounts
- Users can login with personal accounts, accessing, creating, and deleting schedules through React components
- Generated 13 endpoints for data manipulation using Express and maintaining the REST API
- Developed 3 Mongoose schemas with CRUD functions to modify data in MongoDB

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, C

Frameworks: React, Express.js, Node.js, Mocha

Databases: MySQL, MongoDB, Firebase

Tools: Git, Heroku, Netlify, Figma