

Nick Major, B.Eng.

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Technical Skills

Proficient – C, Node, Express, Angular, React, Mongo

Knowledge Of – Python, Java, Redux, RxJs, NgRx, Websockets, Linux, Docker, MQTT

Education

Bachelor of Computer Engineering, University of Guelph (2018).

Courses: Engineering and Design, System Analysis and Design, Software Development and Integration, Large Scale Architecture, Wireless Sensor Networks

Work Experience

Software Engineer Intern

Oct. 2019 – Feb. 2020

Dot Health, Toronto, Ontario

- Full-stack developer working on the admin dashboards that manages all of company operations to help retrieve medical records for users.
- Dashboard is built using React, NodeJS, Express, Sequelize, and MySQL

WEBSITE DESIGNER (SELF-EMPLOYED)

2017

WOODSTOCK SUMMER COMPANY, WOODSTOCK

- Developed an ecommerce website using WordPress for a hydraulics company, while meeting with owners to discuss work scope, progress, and requirements.

CO-OP POSITION

2016

PENCOM CANADA, CAMBRIDGE

- Worked with quality assurance (QA) department programming a Keyence machine (image dimension measurement system).
- Improved inspection process by designing a Java based program to aggregate parts specifications (drawings and Excel) and Keyence programs.
- Designed fixtures for scanning in parts and a jig for in-house assembly product using SolidWorks.

Projects

Dream Homes (Pinterest Clone)

[Github](#) | [Live](#)

- Worked in a team of 3 to build a web application for users to browse and daydream about homes (interiors, exteriors, front yards, and back yards).
- Worked on the Login, Interest Quiz, Individual Post Page UI; Backend: User Follow/unfollow feature
- Setup up CI with Circle Ci, CD with Heroku, and AWS S3 for file storage.
- Technologies included: Node, Express, MongoDB, JWT, Mongoose, React, Redux, Redux-Saga, Material UI

IoT Real Time System Capstone Project

Design 4

- Demonstrated strong project management skills and team collaboration while using Agile to develop a 3-layer architecture (sensory network, backend, and web application) for inventory management in assembly manufacturing.
- Objectives included: replenishment notification (avoid stockouts) and inventory level optimization (predict forecast future usage)
- Used observable pattern (Rx.js) with Angular.js to create frontend, which kept the architecture event based.
- Technologies included: Node, Express, MongoDB, JWT, Mongoose, HTTPS, Radio, MQTT, Angular, Websockets.

CAREMUNNITY ANDROID APP BACKEND PROJECT[Github](#)**System Analysis and Design in Applications**

- Worked on a team of four to design and create a backend service for Android app to help people with FASD take medications.
- The project followed a waterfall design process, completing each step-in turn and planning and documenting all progress.
- Worked with clients through product development with paper prototyping and wire-framing.
- Created backend service using Node.js, Postman, and MySQL to fulfill requirements.