

CHAMOD GAMAGE

Product-Focused Full Stack Developer

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SKILLS

JS, React, React Native, Express, Node, Mongoose, Docker, Azure, Google Cloud Platform, Kubernetes, Git, HTML, CSS, Python, Java, C++, MongoDB, SQL

EXPERIENCE

DevOps Developer (Part-time)

Honeybee Hub Inc. 📅 May 2020 - Present

- Owned the **end-to-end development** of key features for a research study digital marketplace startup
- Containerized applications with **Docker** and handled **Azure** deployment, increasing usage efficiency
- Architected secure **Kubernetes** networking structure on **Google Cloud Platform** to enable HIPAA compliant healthcare data management, saving **\$1000/month** compared to outsourced network management

Full Stack Web Developer (Co-op)

Honeybee Hub Inc. 📅 Jan 2020 - April 2020

- Redeveloped landing page using **React.js**, **HTML**, and **CSS** to increase user discovery/retention, reducing bounce rate from **60% to 10%** 📈
- Acted on user feedback by **single-handedly developing** the scheduled messaging feature for researchers, all the way from **front-end styling** to **database architecture**
- Led creation of an updated roadmap for internal usage regarding the development of new software features
- Implemented a **user interview methodology** for user research regarding planned product features, yielding key insights into the user base during user interviews

Mechanical Executive Lead

Absolute Robotics 📅 2015 - 2019

- Trained and led the mechanical team (**over 80 members**) in the initial design, constant prototyping, and physical construction of multiple competition robots
- Coordinated with fellow executives to ensure successful completion of robot in tight 4-week timeframe, leading team to **2018 FRC World Championship Semifinals**
- Successfully integrated automated processes using **Java** and **C++**, ensuring successful automated periods in competition matches
- Raised **over \$7000** in funds through sponsorship meetings with numerous companies through effective communication of the robotics team's marketing value

PROJECTS

Employee Management System | **Java** 🐙

- Constructed **Java** desktop application with NetBeans to manage employees using **object-oriented programming** principles for efficient data management
- Enabled CRUD operations and search functionality for thousands of employees stored in a **hash table**
- Enabled long term usage of EMS by providing external **data storage**

Home Cooking! | **HTML**, **CSS**, **React** 🌐 🐙

- Developed a web application **from scratch** using **HTML**, **CSS**, and **React.js** for home cooks to log their recipes over time
- Implemented **responsive design** and CSS animations for user interactivity
- Utilized advanced state management techniques such as **React Context API** for scalable application design

ACHIEVEMENTS

- **Ranked #2 in Systems Design Engineering**
- **2019 Fall Term University of Waterloo Dean's List Recipient**
- **University of Waterloo President's Scholarship of Distinction**
- **2018 FRC World Championship Semifinalist**
- **2018 FRC Ontario District Championship Finalist**
- **2018 Stemley Cup Champion**
- **Top 5% on Fermat Mathematics Contest**

EDUCATION

BASc Candidate in Systems Design Engineering (**92% GPA**)

University of Waterloo

📅 2019 - 2024

Hobbies:

Rollercoasters, Sudoku, NBA, Soccer, Piano