Jonas Hallgrimsson

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Education

Carleton University Ottawa, ON
Bachelor of Software Engineering, B.Eng *Sep 2021 – May 2026*

Technical Skills

Languages: Java, Python, C, JavaScript, HTML/CSS, SQL
Frameworks: React, Node.js, Django, Angular,
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, PellesC, Eclipse

Projects

CoopCrawler: Carleton Co-op Board Scraper | *Python, Docker* December 2022 – Present

- Developed a web scraping project to automate the search for co-op opportunities on the Carleton Co-op board.
- Utilized Python and BeautifulSoup library to build a web scraper.
- Implemented Docker to enhance the project's efficiency and portability.
- Containerized the web scraper for improved portability and independence from the host system resulting in streamlining the process of finding relevant positions for students.

HealthLink: Ottawa Hospital Care | *Java SpringBoot, React, MongoDB, Git* March 2023 – Present

- Developed and implemented "HealthLink," an innovative healthcare app for the Ottawa Hospital, using Java Spring Boot as the backend framework.
- Designed and built features using React as the frontend framework, providing patients with a user-friendly interface to book appointments conveniently through the app.
- Implemented a patient monitoring system, leveraging MongoDB as the database solution, enabling healthcare providers to remotely track patient progress
- Demonstrated strong problem-solving skills by addressing technical challenges related to Java Spring Boot, React, and MongoDB, optimizing app performance, and ensuring smooth data management.

ServoCalc: Arduino Calculator and Servo Controller | *C, Git* March 2022 – August 2022

- Developed an Arduino project using embedded C.
- Implemented embedded C programming to interface an LCD, a keypad, and a servo motor with the Arduino.
- Captured keypad inputs and implemented algorithms for performing various mathematical operations..
- Users were able to perform calculations using the LCD and keypad, obtaining accurate results.

Experience

Produce Clerk October 2020 – December 2022
Loblaws Companies LTD *Milton, ON*

- Engaged with customers, offering friendly and approachable customer service. Developed strong communication skills by actively listening to customer inquiries and understanding their needs.
- Demonstrated product knowledge by providing accurate information about various produce items.

Involvment

Student Member: Carleton Engineering Society Sept 2021 - Present
SCESOc (Systems and Computer Engineering)

- Active member of Carleton Engineering Society, attending various workshops and events to enhance technical and professional skills.
- 2nd Year Representative for SCESoc (Systems and Computer Engineering Society) informing members of workshops and events that are hosted.
- Collaborated with fellow members of SCESoc on organizing and executing engineering-focused events, fostering a sense of community and promoting knowledge sharing among students.