

# Austin Varghese

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## EDUCATION

### University of Guelph

Guelph, ON, Canada

*Bachelor of Computing in Software Engineering - Minor in Business*

*Sep 2019 – Apr 2023*

- **Achievements:** Dean's Honours List | Graduated with Distinction | GPA: 85.2
- **Relevant Courses:** Object Oriented Programming, Data Structures, Algorithms, Cloud Computing

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, TypeScript, C, C#, SQL, Ruby, Dart, HTML, CSS

**Frameworks:** Node.js, React.js, Next.js, Flutter, Ruby on Rails, .NET, JUnit, Bootstrap, Tailwind

**Tools:** MySQL, MS SQL Server, Firebase, AWS, Azure, Git, Figma, Docker, JQuery, Playwright

**Skills:** Agile Software Development, Data Structures, Object Oriented Programming, Collaboration, Problem-Solving

## EXPERIENCE

### Quality Analyst

May 2021 – Apr 2022

*Hammond Power Solutions*

*Guelph, ON*

- Developed an issue tracking system that allows employees a better way to create and categorize company issues.
- Used **SharePoint** sites for creating more manageable forms accessible as **Excel spreadsheets**.
- Maintained quality standards by reducing human errors when adding new entries into the system.
- Improved communication within the plant by directing automated emails to required personnel for issues created.
- Increased data entry speed for employees across North American plants by **40%**.

## PROJECTS

### Quail | *TypeScript, MySQL, Next.js, OpenAI, TailwindCSS*

Jan 2024 - Present

- Developed an AI Quiz generator Web Application for users to test their knowledge on any topic.
- Built with **Next.js** and the **OpenAI API** with user accounts stored in **MySQL**.

### Budgie | *ASP.NET, C#, MS SQL Server*

Dec 2023

- A **ASP.NET Web Application** that can help you track and visualize your financial status.
- Created with **MVC architecture** and features a **Microsoft SQL Server** that will store a users transactions.

### AWS S3 Management Shell | *AWS, Python, Boto3, S3*

Jan 2023

- Developed a Python-based Command Line Interface (CLI) tool to manage folders and files within a user's **AWS** account and their local storage with simple commands.
- Utilized **Boto3** to easily access AWS API's for Python to connect to a user's **S3** resource.
- Implemented commands to copy, move and delete files between a user's S3 resource and their local storage.

### UniSearch | *JavaScript, Python, React.js, Flask, NGINX*

Apr 2022

- Developed a full-stack web application using **Flask** and **React** to search and graph courses offered at the University of Guelph and University of Waterloo.
- Collaborated with a team using **Git** with **Agile Methodologies**.
- Scraped course data from official university websites with **Playwright** and stored data in JSON

### GPX Parser Website | *C, Node.js, JavaScript, MySQL, Express, JQuery, libxml*

May 2021

- Developed a full stack web-application to display and edit information of GPX files uploaded by the user.
- Created with **Node.js** framework with a **C** backend.
- Implemented front-end with **HTML/CSS** and **Bootstrap** to display front-end components.
- Utilized **JQuery** / **Ajax** to handle API calls to the back-end
- Used **MySQL** databases with multiple queries to store data of GPX files uploaded.

### Electronic Store Search GUI | *Java, Gradle, JUnit*

Nov 2020

- Developed a **Java** program which allows users to add products with various details or search through previously added products
- Utilized **Gradle** as the build tool to compile and test all Java files and functions with **JUnit** testing
- Implemented the GUI using the Swing class