Austin Varghese

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Education

University of Guelph — Guelph, ON, Canada
Bachelor of Computing, Software Engineering - Minor in Business — *Sep 2019 – Apr 2023*

- Graduated with Distinction - achieved above 80% average across all my courses
- GPA: 85.194

Technical Skills

Languages: C, Java, JavaScript, Python, SQL, Ruby, Dart, C++, C#, HTML/CSS
Tools: AWS (Lambda, DynamoDB, S3), Azure, Google Cloud, Node.js, React.js, Express.js, Git, JQuery, AJAX, Rails, Firebase, MySQL, Docker, Android Studio, Flutter, Bootstrap, Playwright, JUnit, libxml, Slack, Unity, Linux, Figma

Experience

Quality Intern — May 2021 – Apr 2022
Hammond Power Solutions — *Guelph, ON*

- Created a Sharepoint form to help employees categorize issues, this system has helped all of the Guelph plant become faster and more efficient than before
- Collaborated with other co-workers to develop new ideas with Microsoft Teams
- Used Microsoft Word, Excel Spreadsheets and Visual Basics to create automated forms.

Projects

Horror Maze Game | *Unity, C#* — April 2023

- First-Person Horror Maze Game using Unity 3D and C#
- Can freely run around the maze and collect power ups to counter the monster which chases you
- 2 Levels have been created with different settings, monsters and items

Plant Care Mobile App | *Flutter, Dart* — April 2023

- Flutter application to manage and track a user plants for mobile, designed with Figma
- Plants have multiple fields such as watering days, amount of water, light level and light type
- Ability to upload photos of plants from gallery or camera
- Can add notes to each plant to keep track of how they are doing
- Ability to sort all the plants by next to be watered, alphabetically and room

VM Deployer | *Azure, GCP, Python* — Mar 2023

- Python application that automates creation and deployment of Virtual Machines on Azure and Google Cloud
- Using Azure CLI and GCP CLI to create virtual machines
- Ability to add additional fields such as the size of the VM and the ports you would like to open (http, https)
- The script will store a log of information regarding the status of the VM's created

DynamoDB Country Report | *AWS, Python, Boto3, DynamoDB* — Feb 2023

- Python software that creates Country Reports from AWS DynamoDB tables
- Ability to create and delete tables and single records in DynamoDB
- Able to load DynamoDB tables from CSV files
- Can modify values stored within DynamoDB

AWS S3 Management Shell | *AWS, Python, Boto3, S3* — Jan 2023

- Python software that creates a shell that can manage files and folders in S3 as well as local bash
- Ability to create buckets and folders as well as delete buckets and folders in S3 resource
- Can copy and move files from local to S3
- Has full local bash shell functionality as well

CupThrow | *Ruby, Rails, HTML/CSS* — Nov 2022

- Made a Ruby on Rails project where you can play a game of CupThrow
- Ability to Sign-up and Sign-in with encrypted passwords using bcrypt
- Full-stack project made with Ruby on Rails with an MVC structure

UniSearch | *JavaScript, Python, Playwright, React.js, Flask, NGINX* Jan 2022 – Apr 2022

- Developed a Full Stack university course search Web App with a team through git in an agile work environment
- Scraped university data with playwright then parsed in JavaScript to create JSON
- Python back-end with Flask API and React front-end with HTML/CSS
- Ability to search and graph courses from University of Guelph and Univeristy of Waterloo

GPX Parser Website | *C, JavaScript, MySQL, Node.js, Express, JQuery, HTML/CSS* Jan 2021 – May 2021

- Created a full stack web-application to display information regarding GPX files uploaded by the user, including the ability to download the GPX files itself
- Front-end implemented with HTML/CSS and Bootstrap to display front-end components
- Used JQuery / Ajax to handle API calls to the back-end
- Utilizes MySQL databases with multiple queries to save instances of GPX files uploaded on the website upon user request with front-end elements.

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, these products were stored as classes
- The GUI implemented used the Swing class
- Gradle was used as a build tool to compile and test all Java files and functions with JUnit