

Austin Varghese

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EDUCATION

University of Guelph

Guelph, ON, Canada

Bachelor of Computing, Software Engineering - Minor in Business

Sep 2019 – May 2023

CEPS Dean's Honours List achieved from 2020-2023 as a full time student with above 80% average.

TECHNICAL SKILLS

Languages: C, Java, JavaScript, Python, SQL, Ruby, Dart, C++, C#, HTML/CSS

Tools: AWS, Azure, Google Cloud, Node.js, React.js, Express.js, Git, JQuery, AJAX, Rails, Firebase, MySQL, Flutter, Bootstrap, Playwright, JUnit, libxml, Slack, Unity, WSL, Powershell, 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

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

AWS S5-S3 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.