Ameer Mushani

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in /ameer-mushani
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🌐 My Website

🎓 Education

University of Guelph
Software Engineering, Bachelor of Computing

2019 – 2024
Guelph, ON

📊 Experience

University of Guelph Robotics Institute
Machine Vision and Robotics Research Assistant

May 2022 – Present
Guelph, ON

> Sole developer involved in creating a full stack system to display information collected by one of the lab's robots
> Developed a Front-End in Vue.js that displayed data points on a interactive map as well as parameterized statistics using Chart.js
> Developed API endpoints using FastAPI and SQLAlchemy
> Hosted backend and PostgreSQL database on an AWS EC2 instance for consistent uptime

Competers Inc.
Full Stack Developer Intern

June – December 2021
Guelph, ON

> Worked regularly in an Angular environment to design and implement pages connected to AWS endpoints and MySQL database for authentication
> Wrote several custom MySQL queries to be displayed in Angular, provides clients with parameterized statistics of their usage data
> Developed a VB.NET email parser to handle Locate requests for American customers
> Regularly worked in VB.NET on our main software, Utilocate, which has over 1000 daily users

⚗ Projects

All projects can be found at https://github.com/Ameer-Mushani

Flappy Brain
> Link
> A clone of Flappy Bird featuring genetically modelled AI
> Uses a simplified NEAT algorithm adapted to JavaScript

MyShell (Linux Shell)
> Created entirely in C
> Supports piping, input/output redirection, changing directories
> Uses concurrent processes for parallel execution

Spikes
> Fully playable game at https://ameer-mushani.github.io/spikes/
> Uses OOP methodology for modular code

⚙ Skills

Languages Java, Javascript / TypeScript, SQL, C / C#, Python, Visual Basic, Dart + Flutter
Frameworks / Technologies Angular, React, Vue.js, Node, Git, Linux/Unix