Ammar Hatiya

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Skills Summary

Languages: Python3, C#, C++, Java, HTML5, CSS3, JavaScript (ES6), Dart

Libraries/Other: Node.js, Vue.js, Express.js, React, D3.js, Docker, MongoDB, Ajax, Azure, Git

• Deep understanding of algorithms and data structures via industry experience & coursework
• Strong knowledge of Data visualization & analytics via Python3 libraries (NumPy, pandas, & Matplotlib)

Education

B.Sc. Computer Science, *Ontario Tech University* Sep. 2020 – Apr. 2023
• Overall GPA: 3.8/4.3
• President's List: (3 semesters), Dean's List: (2 semesters)
• Relevant Courses: Analysis & Design of Algorithms, Web Application Development, Software Design & Analysis, Software Systems Development & Integration, Machine Learning

B.Sc. Computer Science, *University of Toronto* Sep. 2019 – Aug. 2020
• Overall GPA: 3.6/4.0

Relevant Projects

Airline Crash Safety Statistics - Java, Gradle, JavaFX, FXML
- Given incident/safety statistics on 50+ airlines, developed data analytics scripts to process KPIs across the board to discover 70% decrease in fatal incidents/accidents in a 30-year period
- Developed a data visualization component via JavaFX to demonstrate likelihood of fatal crashes across all airlines

Proguru - HTML5, CSS, JavaScript, Bootstrap, Ajax, Node.js, Vue.js, MongoDB
- Worked in a small team to design and develop a web application that educates students on three functional topics within computer science (Fundamental Data Types in Python3, Bash, and Introduction to C++). Created database to store user info and progress
- Built a login service as well as evaluations (via quizzes) to gauge learner's understanding

Prism Chat - Java, JavaFX, Multithreading/Concurrency, Client Sockets
- Created a chat app where users can login, add each other, and communicate
- Uses multithreading for optimized performance in client sockets and network

Ecom - HTML5, JavaScript (ES6), Python, Vue.js, Vuetify, Google Cloud
- Developed a minimal e-commerce web app that showcases subscription-based apps/services
- Designed REST APIs that fetch filterable product catalogue data from SQLite databases

Warden - Java, Swing, AWT
- Top-down arcade style tank game played on PC
- Integrated 2D graphics and pixel animations via Swing

Work Experience

Software Developer Intern, *Nuvoola AI* Apr. 2023 – Sep. 2023
- Kickstarted development of intelligent asset management solution for supply chain and logistics
- Designed and developed stand-alone IDP module (web application) utilizing Amazon Textract OCR
- Constructed filters/queries for seamless data ingestion into cloud-based storage (Amazon S3)

Full Stack Software Development Intern, *Mely.ai* Sep. 2022 – Apr. 2023
- Used AI (Amazon Textract) tools to facilitate automated intelligent document processing for logistics
- Designed NLP solutions using C# and Python that work in conjunction with Amazon APIs
- Collaboratively developed remodels of database retrieval methods to streamline data flows within applications