Andrew Gordon

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Education

Bachelor of Computer Science (Honours Degree) | Conestoga College   Class of 2026
Course Highlights: Enterprise App. Development, Info. Security Management, Network Security, Parallel Computing

Software Engineering Technology (Advanced Diploma) | Conestoga College   Class of 2023
Course Highlights: Advanced Web Frameworks, OOP, Relational Databases, Software Quality, Computer Security

Work Experience

Co-op Software Developer | Siemens Healthineers   Jan – Aug 2022
Technologies: C# .NET, WPF, Microsoft SQL Server
- Developed features for Medicalis Workflow Orchestrator (WFO), a radiology workflow application.
- Worked in agile sprints, leveraging CI/CD pipelines to plan, write object-oriented code, and unit test.
- Designed and implemented a custom plug-in performance monitor, enhancing troubleshooting efficiency by visually tracking active plug-ins, warnings, and errors.
- Improved system reliability and reduced resolution time, enabling users and IT teams to identify plug-in related errors quickly.

Co-op Software Developer | VARLab   May – Dec 2021
Technologies: C# .NET, Unity Editor
- Collaborated within a multidisciplinary team to develop a 3D Backhoe Loader inspection simulation, enhancing training for Heavy Construction Equipment Operation students.
- Designed modular code to streamline feature development, ensuring long-term maintainability.
- Developed and optimized core functionalities, including user interactions, inspection sequences, state management, prop animations, GUI, and automated testing.
- Conducted usability testing and integrated feedback, improving student learning experiences.

Projects

Brighterspace | Full Stack Capstone Project
Technologies: TypeScript, React, Express.js, MongoDB, Node.js (MERN)
- Extended Desire2Learn's Brightspace LMS with features including a unified assignments deadlines page, search functionality, and a student sentiment summary using the OpenAI API.
- Enabled students to view/add comments and estimated completion times for assignments.
- Co-developed the RESTful backend for OAuth authentication, API integration, and database operations.
- Collaborated on building the dynamic React frontend, delivering a seamless user experience.

Technical Skills

Programming Languages: C#, JavaScript, Python

Libraries & Frameworks: .NET, React, Express.js, Flask

Databases: MongoDB/NoSQL, Microsoft SQL Server

IDEs & Tools: Visual Studio, VS Code, Git, Docker, XUnit, Postman, JMeter, Jira, Confluence