

Adam Zielinski

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Technical Skills

Languages: C, Java, Python, Javascript, SQL, HTML, CSS
Task Management: Github, Gitlab, AWS, BitBucket
Operating Systems: Windows, Linux, MAC OS
Other: Adobe XD, React

Personal Projects

Firestore To-Do Application

November 2023

- Developed a web application with a user-centric UI using HTML, CSS, Javascript.
- Allows users to seamlessly manage their todo-list using a Firestore realtime NoSQL database.
- Applies secure user authentication with Google Sign-In.

Dental Receipt Maker

December 2023

- Developed an application using Java and JavaFX with an intuitive user friendly UI.
- Allows users to create a receipt based on entered information.
- Applies OOP principles to ensure maintainability and scalability.

Education

Bachelor of Computing, Computer Science (Co-op)

2021-Present

University of Guelph, Guelph, ON

- Academic All-Canadian in the 2021-2022 year (average above 80% on a varsity team).
- University of Guelph Entrance Scholarship with an admission average of 90%.
- Relevant courses: Operating Systems (93%), Intermediate Programming (89%), and Systems Development and Integration (80%).

Key Academic Projects:

- Molecule Display Full Stack Program March 2023
 - Worked individually to create a program in Python to accept SDF files of molecules and create SVG representations using Python servers and a realtime C backend.
- Java Connect Four Game October 2022
 - Expertly applied OOP principles to create a functional and user friendly Connect Four game.

Work Experience

Junior Systems Engineer

May-December 2023

Ontario Health, Toronto, ON

- Developed secure messaging React native application for thousands of doctors in Ontario to seamlessly and securely message one another.
- Used AWS Lambda scripts to reduce S3 bucket maintenance costs by 10%.
- Updated GitHub workflow scripts slashing potential update times by up to an hour for each workflow revision, benefiting tens of users.
- Collaborated in team code reviews to optimize and innovate solutions for projects.

Lifeguard

Summer 2022

City of Burlington, Burlington, ON

- Supervised pool to ensure a safe environment for patrons to use.
- Prepared lesson plans and taught swimming to patrons of a wide age range.
- Collaborated with co-workers to follow regulations and efficiently deal with any problems which occurred.
- Communicated effectively with patrons to increase overall customer satisfaction and experience.