Conner Williams

Software Engineering Graduate

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PROJECTS

Academy of Legends – Gamified Learning Platform

- Built a **Django** + **MongoDB** + **AWS web app** to gamify classroom engagement for 30+ students.
- Developed reward/XP system, guild competition, and **teacher admin dashboard**, reducing manual reward tracking.
- Designed secure authentication and deployed scalable backend infrastructure on AWS.

ShroomBase – MVC Web Application

- Created a mushroom identification app with **Node.js** + **MongoDB**, supporting user login, search history, and saved profiles.
- Implemented MVC architecture, improving maintainability and enabling future feature expansion.

Reflection Simulator – Java Application

- Developed an interactive simulator for light reflection/refraction with numerical validation and UI output.
- Integrated **unit tests** to ensure high accuracy under edge-case conditions.

SKILLS

Languages: Python, Java, C++, JavaScript, PHP, HTML, CSS
Frameworks & Tools: Django, Vue.js, Bootstrap, AWS, Git/GitHub
Databases: MySQL, MongoDB
Other: REST APIs, Unit Testing, Agile Development, Cloud Deployment

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EDUCATION

B.A.Sc. Software Systems Engineering
University of Regina - Regina, SK
September 2020 - April 2025

EXPERIENCE

SaskTel – Trunking & Switching Technician *(Summers 2022 & 2023)*

- Supported 5G rollout projects by inspecting DSL cabinets, reducing alarm failures and downtime.
- Logged technical reports in databases, ensuring accurate documentation.

Evraz North America – Material Handler *(2018 – 2020)*

- Inspected and handled steel pipe shipments, ensuring zero critical defects reached customers.
- Operated industrial equipment and assisted logistics, improving yard workflow efficiency.

Kalron Construction – Operator/Assistant *(2016 – 2018)*

- Performed skid-steer operations (grading, snow removal) and assisted with drilling/site prep for timely project delivery.

COMPETITIONS

Western Engineering Competition (WEC) *(February 2025)*
Participated in the Innovative Design category as a representative of the University of Regina.