

Zhenye Zhu

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SKILLS

Technical: Python, Java, C, C#, HTML, CSS, JavaScript, React, Spring, Restful API, SQL and NoSQL database, Android Studio, Assembly, Cloud Computing, AI & Machine Learning, Word, Excel, PowerPoint, Data Analysis

EDUCATION

Honours Bachelor of Computer Science Coop

Sep 2019 – Sep 2023

University of Toronto Scarborough, Scarborough, ON

- **Specialization:** Software Engineering Stream
- **cGPA:** 3.77/4.0
- **Awards:** University of Toronto Scarborough Dean's List for 2020, 2021, 2022 and 2023

PROFESSIONAL EXPERIENCE

Software Developer

May 2022 – Dec 2022

CGI Inc., Toronto, ON, Canada

- Designed and implemented new technical solutions for the deprecated services used by the client product to enhance user experiences without losing old functionalities
- Cleaned and redistribute existing cloud services on Azure used by the product so that product's cost is reduced by \$1500/month
- Maintained and upgraded (e.g., dockization) automation test suite, decreasing the complexity of running the tests and increasing the efficiency of the testing team by 20%
- Play a key role in the development phase of external projects through preparing SDS (Software/system design specification) documents and hosting client review sessions

Software QA Analyst

May 2021 – Dec 2021

Clearbridge Mobile, Vaughan, ON, Canada

- Tested every user story of the software based on the business rules and the documents from the client ensuring the stability and accuracy of the software build
- Reported and discussed bugs and defects with the project team, helping the developer to target the problematic code and figuring the possible solution
- Attending every agile development process meeting from daily scrum and backlog grooming to sprint planning and internal demo, ensuring the critical problem is reported and resolved
- Learned and implemented automation test for the mobile application with other QA members, reduce regression testing time for the QA team by at least 50%

PROJECTS & ACHIEVEMENTS

Food Saving Application with AI Generated Recipes ---- "[Food ResQ](#)" (6th place out of 80 teams)

Hack the Valley 8, Toronto

- Brainstormed, designed and built a full-stack web application (Figma, React.js, Flask, MongoDB) as a team of 5 within 36 hours, won 6th place among 80 teams
- Collaborated and communicated with teammates, sponsors and mentors, ensured the application meets the requirement and can be published in time with high quality
- Integrated AI (OpenAI) for recipes generation that based on selected food, so that user can do unrestricted customization for their desired recipes
- Presented and demonstrated the application, monetization and future plan to Hack the Valley judges from different industries

Web Application Design ---- "[EntreE](#)"

CSCC01H3 Introduction to Software Engineering, University of Toronto Scarborough

- Designed and coded a web application for a virtual platform that mainly focuses on the community and E-Learning features for African entrepreneurs
- Collaborated with teammates using Git and strictly followed the Agile developing process
- Created user interface with React and backend APIs with Flask, MongoDB and PostgreSQL
- Demonstrated and explained our design potential users during the lecture

[Unix Shell Simulator](#) in Java

CSCB07H3 Software Design, University of Toronto Scarborough

- Built a Unix shell using Java, ensured the code worked like a basic Unix shell and easily readable
- Collaborated with other teammates with version control feature ensuring working efficiency and team harmony
- Followed Scrum Software Development Process which guaranteed a well-planned developing process
- Tested the Java code with Junit making sure the program does not have bugs