437-970-3659 | zenga8@mcmaster.ca | Website | LinkedIn | GitHub| Hamilton, ON

Angela Zeng

Highlights of Qualifications

- Currently enrolled in level 3 of a 5-year Software Engineering and Management co-op program
- Proficient in multiple programming languages, including Java, Python, and JavaScript, with a track record of delivering high-quality code and solutions as represented in my projects
- Excelled in business courses that emphasized team-based projects, fostering an environment for collaborative problem-solving and effective communication

Education

Bachelor of Software Engineering and Management **2020-2025**

McMaster University, Hamilton ON

Relevant Courses

- Integrated Engineering Design
- Computer Architecture
- Software Design I, II, III
- Data Structures and Algorithms
- Discrete Mathematics
- Object-Oriented Programming
- Databases
- Software Testing
- Dynamic Systems and Control
- Economics
- Financial Accounting
- Organizational Behaviour

Awards **2020**

- McMaster Presidents Award (high school average above 95%)

Projects

Please visit my website to see what more I am up to!

Taxi Carpool Application – Class Project **2023**

- Designed and implemented an intuitive user interface for the taxi carpool application
- Developed and integrated sophisticated matching algorithms into the application, improving the accuracy and efficiency of matching users with compatible carpooling options

Assembly Programming – Class Project **2022**

- Designed and integrated optimization techniques into the RBS to assembly translator, resulting in optimized assembly code generation and improved overall performance of the translated programs
- Expanded the RBS to assembly translator to handle a broader range of RBS language features, ensuring compatibility with a larger set of RBS programs and improving the coverage of translated code

Bin Packing – Class Project **2022**

- Implemented innovative bin-packing algorithms that demonstrated improved efficiency and effectiveness compared to existing algorithms, leading to better resource utilization and reduced waste
- Designed and executed rigorous benchmarking tests to evaluate the performance of various bin-packing algorithms under different scenarios and datasets, providing valuable insights into their strengths and weaknesses

Graph Lab – Class Project **2022**

- Successfully implemented graph algorithms such as Dijkstra and A* to find the shortest path in a complex subway network, demonstrating strong problem-solving and algorithmic skills
- Optimized the algorithms by incorporating heuristics or data structures, resulting in faster and more efficient computation of the shortest path, leading to improved performance and user experience

437-970-3659 | zenga8@mcmaster.ca | Website | LinkedIn | GitHub| Hamilton, ON

Skills

Programming
Python, Java, C, JavaScript, HTML, SQL, PHP, Go, MATLAB, Verilog, Bash

Software Tools
Microsoft Office Suite, Autodesk Inventor, GitHub, Discord, Adobe Creative Suite, LaTeX, Visual Studio Code, Android Studio

Experience

Starbucks – Barista **2022 - Present**

- Thrived in fast-paced environments, demonstrating the ability to handle multiple orders simultaneously, prioritize tasks, and maintain attention to detail during peak hours
- Effectively handled customer inquiries, concerns, and complaints, addressing issues promptly and finding appropriate solutions to ensure customer satisfaction
- Assumed a leadership role by training and mentoring new baristas, ensuring a smooth transition, and maintaining consistent service standards

PC Repair Center – Computer Technician Assistant **2018 - 2021**

- Developed and implemented standardized troubleshooting procedures, resulting in a significant reduction in downtime and increased productivity for the organization
- Worked closely with IT teams, including network administrators and software developers, to troubleshoot and resolve complex technical issues, fostering strong teamwork and achieving timely resolutions
- Contributed to regular system maintenance activities, such as software updates, security patches, and system optimizations, ensuring systems operate at optimal performance and security levels