

# Angela Zeng

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## Highlights of Qualifications

- Currently enrolled in level 3 of a 5-year Software Engineering and Management co-op program
- Business management, leadership, communications, and customer relations skills from previous work experience
- Developed excellent teamwork, communication, and time management skills from business courses

## Education

### **Bachelor of Software Engineering and Management**

**2020-2025**

*McMaster University, Hamilton ON*

#### Relevant Courses

- Integrated Engineering Design
- Computer Architecture
- Software Design I, II
- Data Structures and Algorithms
- Discrete Mathematics
- Object-Oriented Programming
- Databases
- Software Requirements and Security Considerations
- Microeconomics/Macroeconomics
- Financial Accounting
- Organizational Behaviour

#### Awards

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

**2020**

## Projects

### **Taxi Carpool Application – Class Project**

**2023**

- Implemented frontend for a carpool application using tools such as Expo, Flask, and React Native

### **Assembly Programming – Class Project**

**2022**

- Advanced a high-level code to assembly language translator by adding more features using knowledge of design patterns and tree analysis

### **Bin Packing – Class Project**

**2022**

- Implemented bin-packing algorithms (online and offline) to sort bins
- Benchmarked the algorithms, measured the improvement margin as an evaluation of each algorithm, added smarter algorithms, and implemented a new algorithm to address a variant of bin-packing (fixed bins)

### **Graph Lab – Class Project**

**2022**

- Implemented graph algorithms to create shortest paths for a subway network resulting in increased efficiency

## Skills

### **Programming**

Python, Java, C, HTML, MATLAB, SQL, Verilog, JavaScript

### **Software Tools**

Microsoft Office Suite, Autodesk Inventor, GitHub, Discord, Adobe Creative Suite, Latex, Visual Studio Code, Android Studio

## Experience

### **Starbucks – Barista**

**2022 - Present**

- Provided excellent customer service to customers while preparing and serving beverages and food resulting in loyal customers
- Operating the cash register and handling customer payments
- Assisting with inventory management and ordering supplies as needed

### **PC Repair Center – Computer Technician Assistant**

**2018 - 2021**

- Configured hardware and software on personal computers for clients
- Provided technical support to customers
- Assisted with network and data security
- Documented technical procedures and processes