

MENGZHOU (MILES) YU

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EDUCATION

Computer Programming Diploma

Algonquin College, Ottawa, ON

May 2024 - Present

- GPA: 3.8/4.0
- Dean's Honor List Spring 2024

Master Degree of Fine Arts

Sichuan Conservatory of Music - Music Performance, Chengdu, Sichuan, China

Sep 2020 – June 2023

- GPA: 3.62/4.0

PROGRAM-RELATED SKILLS

- Object-Oriented Programming (OOP): Skilled in OOP principles, including encapsulation, inheritance, and polymorphism, enabling me to write modular and reusable code.
- Java Programming: Proficient in Java with experience in writing, testing, and debugging applications.
- Database Management: Knowledgeable in SQL, capable of designing and managing relational databases such as MySQL and SQLite.
- Web Development (Front-End): Knowledgeable in HTML, CSS, and JavaScript, with experience in creating responsive, user-friendly web interfaces.
- Linux Operating Systems: Experienced with Linux environments and command-line tools for system management and development.
- Debugging and Troubleshooting: Strong ability to identify, analyze, and fix bugs in code, using debugging tools and techniques to ensure high-quality software performance.
- Microsoft Office: Skilled in Microsoft Word, Excel, PowerPoint, and Access for document creation, data analysis, presentations, and database management.

ACADEMIC PROJECTS

Health Data Calculator

Oct 2024

- Developed a system for tracking users' health details and calculating BMI, providing alerts for unhealthy BMI ranges.
- Programmed classes in Java related to managing user health information, such as birthdate, weight, and height, ensuring effective data handling and processing.
- Implemented JUnit tests to validate BMI calculations and ensure data accuracy.

Baggage Checker Program

Jun 2024

- Developed a system for calculating baggage fees, validating luggage dimensions and weight for airline compliance, and generating additional charges for overweight baggage.
- Programmed various classes in Java to handle data validation, fee calculations, and compliance checks, ensuring maintainable and efficient code.
- Conducted tests to verify accurate fee calculation and validation logic for different luggage scenarios.

OTHER WORK EXPERIENCE

Main Chef

May 2024 - Present

Ah-so Sushi, Ottawa, ON

- Ensure high standards by preparing fresh ingredients daily and meeting customer needs in a fast-paced environment.
- Developed strong attention to detail and time management skills through daily food preparation and customer service responsibilities.
- Serve customers, address needs, and maintain cleanliness in store each day.

Music Instrument Teacher

Sep 2016 - Present

Online, Ottawa, ON

- Provided both online and in-person Erhu lessons to adults and children, with an emphasis on personalized learning, resulting in a 90% student retention rate.
- Cultivated clear communication and problem-solving skills, contributing to long-term engagement with students and families.
- Led multiple stage performances, demonstrating composure and professionalism in high-pressure environments.
- Taught over 50 music students of various ages, resulting in an average satisfaction rating of 95%.

VOLUNTEER EXPERIENCE

Algonquin College Volunteer Team

May 2024 - Present

Ottawa, ON

- Assisted new students during orientation week by providing campus tours, answering questions, and supporting adaptation to college life, enhancing communication and mentorship skills.
- Coordinated and facilitated skill-building workshops, managing event logistics to ensure smooth and engaging student experiences.
- Advocated for diversity and inclusion by organizing LGBTQ+ support events on campus, contributing to a safe, welcoming environment and building cross-cultural communication skills.