

Ong Jai Sheng

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EDUCATION

Bachelor of Science, Computer Science

University of Cincinnati, Cincinnati, OH

- Primary Coursework: Data Structures, Discrete Computational Structures

Graduating: May 2028

GPA: 3.4

Associate of Applied Science, Software Engineering Technology

Cincinnati State Technical and Community College, Cincinnati, OH

- Relevant Coursework: System Analysis & Design, Python Object-Oriented Programming

Graduated: Spring 2024

GPA: 4.0

SKILLS

Programming: Python, C++, Visual Basic, Assembly, MySQL, NI LabVIEW, MATLAB

Technologies: Git, GitHub, Visual Studio, MySQL, Object-Oriented Programming (OOP)

Languages: English, Mandarin Chinese

EXPERIENCE

Software Engineer Intern

May 2025 – Aug 2025

Aubot, Remote

- **Improved lesson publishing speed by 30%** (2–3 days faster) by reviewing and correcting 120+ grammar, clarity, and technical errors across 10+ advanced Python documents prior to release.
- **Enhanced lesson maintainability** and student learning outcomes by leveraged **Git-based collaboration**, contributing fixes, and writing **automated test scripts** that flagged incorrect solution methods.

PROJECTS

Sleep-Sack Duo

August 2024 – December 2024

- Led a team of 4 in **prototyping** to address homelessness, focusing on reducing infant mortality among homeless families in San Jose
- Engineered an **insulated jacket** with a sleeping bag extension and baby holder, meeting **warmth retention** (10°F), **water resistance** (5 minutes), and **durability** (10 pounds capacity) requirements

Ski and Snowboard Rental System

May 2023 – August 2023

- Developed a Ski and Snowboard Rental System using **Python** and **Object-Oriented Programming**
- Implemented features for customers to view **available equipment**, rent skis and snowboards on an hourly, daily, or weekly basis, and **apply discounts** for family rentals and coupon codes

Passenger and Employee Management System

Jan 2023 – May 2023

- Developed a comprehensive login system using **Visual Basic** and **MySQL** for both passengers and employees
- Implemented **secure login** functionality with validation for Passenger and Employee roles

AVAILABLE FOR COOP/INTERNSHIP: FALL 2026