

Zachary Artman

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EDUCATION

University of San Diego

Master of Science in Applied Artificial Intelligence

May 2024 – Dec. 2025

San Diego, CA

University of San Diego

Bachelor of Arts in Computer Science

Aug. 2021 – May 2024

San Diego, CA

- 4.0/4.0 Major GPA, 3.74/4.0 Cumulative GPA
- Organizations: Association for Computing Machinery, Phi Kappa Theta

EXPERIENCE

Software/QA Engineer Intern

Teledyne RD Instruments

Jun. 2023 – Aug. 2023

Poway, CA

- Led the overhaul of a MySQL data visualization application, utilizing reverse engineering to save at least 22 full engineer working days per year.
- Collaborated with engineers to optimize an automation testing program, enhancing UI, boosting compatibility, and reducing manual intervention for improved reliability in manufacturing processes.
- Optimized automated testing software, achieving substantial reductions in task performance time and significantly boosting overall manufacturing productivity.

Engineering Intern

PoEWit Technologies

May 2022 – Aug. 2022

Fort Lauderdale, FL

- Demonstrated expertise in debugging and programming circuit boards using Python.
- Developed and tested energy-efficient lighting products using Power over Ethernet (PoE) technology.
- Created software documentation, including design specifications and technical reports.

Advancement Office Intern

Notre Dame High School

Sep. 2020 – Jan. 2021

Lawrence, NJ

- Conducted research and updated alumni database, improving organization and accuracy of records.
- Provided support with registration and greeted attendees at school events, as well as assisted with photography and social media initiatives.
- Accurately collected contact information and verified mailing addresses for donors to ensure timely and effective communication.

PROJECTS

Flight Booking Simulator | *Java, SQL, CSS*

December 2023

- Led the development of an object-oriented Flight Booking System to manage flights, passengers, and airports for administrators, and offering a comprehensive suite of features for user bookings, modifications, and flight history access.
- Leveraged MySQL for robust data management and integrated object-oriented programming principles in Java for the system's development.

FairGlobalShare Expenses | *Python, JavaScript, HTML, CSS*

January 2023

- Developed a web application for expense sharing, enabling users to input a receipt and calculate fair distribution of costs among participants. Supports dynamic addition/removal of bill items and proportional tax/gratuity calculations.
- Integrated multi-currency support, catering to international usage. The application facilitates fair expense splitting by accurately converting costs and validating post-conversion calculations for global travelers.

SKILLS & INTERESTS

Technologies: Python, Java, JavaScript, HTML, CSS, Node.js, React, SQL, Git, Linux

Skills: Communication, Time Management, Complex Problem Solving, Agile Methodologies

Interests: Artificial Intelligence, Scuba Diving, Automation