

# Zachary Artman

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## EDUCATION

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### University of San Diego

Aug. 2021 – Expected May 2024

*Bachelor of Arts in Computer Science*

*San Diego, CA*

- 4.0/4.0 Major GPA, 3.72/4.0 Cumulative GPA
- Studied abroad at the Florence University of the Arts in Florence, Italy, January 2023
- Association for Computing Machinery Club Member
- Phi Kappa Theta, Scheduler
- Fraternity & Sorority Life Standards Board, Hearing Board Officer

## EXPERIENCE

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### Software/QA Engineer Intern

Jun. 2023 – Aug. 2023

*Teledyne RD Instruments*

*Poway, CA*

- Led the overhaul of a MSSQL 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

May 2022 – Aug. 2022

*PoEWit Technologies*

*Fort Lauderdale, FL*

- Demonstrated strong debugging abilities by effectively troubleshooting and fixing issues with circuit board programming.
- Created software documentation, including design specifications and technical reports.
- Assembled and tested innovative lighting products utilizing Power over Ethernet (PoE) technology, enabling energy-efficient and cost-effective lighting solutions.
- Programmed circuit boards using Python scripts

### Advancement Office Intern

Sep. 2020 – Jan. 2021

*Notre Dame High School*

*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

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### 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

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**Skills:** Python, Java, Javascript, HTML, SQL, Object-Oriented Programming, Git, Linux, Communication, Time Management, Complex Problem Solving

**Interests:** Artificial Intelligence, Scuba Diving, Automation