

# Zachary Artman

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## EDUCATION

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### University of San Diego

*Bachelor of Arts in Computer Science*

San Diego, CA

Aug. 2021 – May 2024

- 4.0/4.0 Major GPA, 3.69/4.0 Cumulative GPA
- Studied abroad in Florence, Italy in January, 2023 (Florence University of the Arts)
- 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

*Teledyne RD Instruments*

Jun. 2023 – Aug. 2023

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

*PoEWit Technologies*

May 2022 – Aug. 2022

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

*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

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### Flight Booking Simulator | *Java & SQL*

December 2023

- Led the development of a Flight Booking system, enabling administrators to manage flight-related operations, including adding or removing airports, flights and passengers.
- Implemented a user-centric booking interface, allowing customers to search, book, modify, and cancel flights seamlessly, alongside accessing their flight history.
- Integrated the system with MySQL to ensure efficient handling of user and flight data.

### FairGlobalShare Expenses | *Python*

January 2023

- Developed a small project called "FairGlobalShare," a program that simplifies the process of dividing and converting expenses among a group while traveling abroad
- Input restaurant expenses such as each person's food cost and the total of wine, water, etc. The program divides and converts the final amounts to USD and creates an easy-to-read text file with new pricing for each person

## 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