Macy J. Cherneff

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EDUCATION

University of San Diego – Knauss School of Business, Shiley-Marcos School of Engineering   **San Diego, CA**
B.A. in Computer Science, B.B.A. in Financial Management   *Class of 2026*
- Honors College
- Minor: Mathematics
- GPA: 3.5
- Dean's List: Fall 2022, Spring 2023, Fall 2023

Relevant Coursework: Programming Abstractions and Methodologies, Advanced Computational Problem Modeling, Object Oriented Design and Programming, Numerical Analysis and Machine Learning, Data Science Foundations and Programming

PROJECTS

Elevator Simulator Project
Object Oriented Design and Programming Project
- Developed an elevator simulator that implemented multiple elevator types, each with distinct behaviors and policies.
- Applied Test-Driven Development (TDD) principles, creating unit tests to ensure high code quality and coverage.
- Utilized Object-Oriented Programming (OOP) principles, including abstraction, inheritance, encapsulation, and polymorphism, to structure the project.
- Designed and implemented scheduling algorithms to manage elevator calls using both Simple and Complex scheduling strategies.
- Collaborated within a team, utilizing GitHub for version control, branch management, and peer code reviews.

WORK & LEADERSHIP EXPERIENCE

University of San Diego - Shiley-Marcos School of Engineering   **San Diego, CA**
Computer Science Lab Assistant   *September 2024 – Present*
- Host weekly lab sessions for 35 students, guiding them in computational problem-solving, programming abstractions, algorithm design, and debugging.
- Provide one-on-one support to students, helping them overcome technical challenges and improve coding skills.
- Collaborate with instructors to develop and refine lab materials, ensuring they align with course objectives and industry standards.
- Troubleshoot code errors and facilitate smooth lab operations, enhancing the overall learning experience.

Academic Tutor   **San Diego, CA**
Tutor Specialized in Mathematics   *September 2023 – Present*
- Tutor 6 students in math each week, from basic algebra to calculus, enhancing their understanding and academic performance.
- Develop personalized learning plans tailored to individual student needs and learning styles.
- Provide additional support for students with learning differences, helping them build confidence and achieve their academic goals.

Caregiver for Children, Elderly, and Disabled Individuals   **San Diego, CA**
Personal Care Assistant   *May 2024 – Present*
- Assist with daily routines, including meals, medication, hygiene, and mobility.
- Plan and facilitate activities to promote mental and physical engagement.
- Maintain a safe, clean environment and provide emotional support.

Martis Camp Club   **Truckee, CA**
Hostess/Server   *May 2022 – August 2022*
- Greeted and seated guests, managed reservations, and ensured a positive first impression.
- Took orders, served food, and promptly addressed guest needs for high satisfaction.

ADDITIONAL INFORMATION

Skills: Python, Java, HTML, UNIX, SQL, Excel, Tableau

Clubs: Honors Club, Women in Business, Society of Women Engineers, Association of Computing Machinery, Serving Up Hope, Alpha Chi Omega