# 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