

# Thatcher Eames

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## Education

### University of California San Diego

Sept 2022 - Jun 2026

Bachelors of Science – Mathematics and Computer Science

GPA 3.30

- **Campus Affiliations:** Beta Theta Pi Fraternity Former Executive, CSforeach Student Organization Member
- **Relevant Coursework:** Machine Learning Algorithms, Data Structures, Systems Programs, Object Oriented Programming, Software Development, Data Science in Python, Linear Algebra, Vector Calculus, Managing Diverse Teams

## Skills

**Development:** Team Development, Supervised Learning, Object-Oriented Programming, Runtime Analysis, Agile Methodology

**Teamwork:** Group Collaboration, Team Management, Problem Solving, EDGE Method Education, Spanish & English Bilingual

**Programming Languages:** Java, Python, C, C++, HTML/CSS, TypeScript

**Technologies:** VS Code, Git, Vim, Bash, Numpy, SK Learn, Pandas, Microsoft 360, Google Suite, MacOS, Windows, Linux

## Experience

### VP Coding Instructor, Ember Coding Labs – Del Mar, CA

May 2025 - Present

- Provide high level explanations of key computer science topics to educated young learners in the fundamentals of CS
- Collaborate with other educators to create an inviting & cohesive learning environment for students

### CS Student Curriculum Developer, CSforeach – San Diego, CA

Oct 2022 - Present

- Develop actionable curriculum for introductory computer science courses in Python & Machine Learning
- Implement new methods to develop & maintain student interest in target areas through education methods

### Teaching Assistant, La Jolla Elementary – San Diego, CA

Mar 2025 - Jun 2025

- Worked directly with UC San Diego university professor to educate local youth in a variety of computer science topics
- Improved productivity of students in the classroom using collaborative teaching practices & engaging conversation
- Increased effectiveness of lessons through providing feedback on lesson outlines & delivery to the students

### Area Director, Scouting America – Ogden, UT

Jun 2019 - Aug 2024

- Managed a team of 10 by resolving conflict, setting project expectations, and upholding deadlines in order to deliver on projects
- Operated autonomously & communicated effectively to maintaining team integrity & productivity throughout the workday

## Projects

### Personal Code Base Server

- Deployed an Ubuntu-Linux based ssh server as a remote working environment to host projects as an isolated asset
- Maintain environment connection & stability while adding software packages as workflow needs change

### Portfolio Website

[github.com/thatchereames/website](https://github.com/thatchereames/website)

- Current mid-development project in the Ruby on Rails development framework to showcase other projects
- Integrating several languages & structures into one cohesive experience using the Rails Framework

### Zoo Simulation Terminal Game

[github.com/thatchereames/animal-game](https://github.com/thatchereames/animal-game)

- University course term project in Java that uses terminal I/O & abstraction to create a user interactive game
- Java code utilizes JUnit tests & inline tests to find bugs & validate functionalities & usability of the game

### Custom Terminal Shell

[github.com/CSE29Winter2025Students/pa4](https://github.com/CSE29Winter2025Students/pa4)

- Implemented a simplified version of PowerShell for a terminal in C using memory allocation, process forking, and terminal I/O

## Awards & Certifications

**Eagle Scout Award** The highest award in Scouting that is indicative of exemplary leadership, dedication, and knowledge

**Director Training Course Certification** Course certification encompassing many of the necessary skills to lead a team

**American Red Cross CPR & First Aid Certification** Well versed in lifesaving skills of tending to injuries & administering CPR