

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

Student CS Curriculum Developer, CSforeach – San Diego, CA

Oct 2024 - Present

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

CS 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 efficiency & effectiveness of lessons through providing feedback on lesson outlines

Area Director, Scouting America – Ogden, UT

Jun 2019 - Aug 2024

- Managed a team of 10 by resolving conflict, setting project expectations, and upholding deadlines
- Operated autonomously & communicated effectively to maintaining team integrity & productivity

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

- 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

- 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

- 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