

Truman Costello

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EDUCATION

University of Southern California

Los Angeles, CA | May 2025

BSc. COMPUTER SCIENCE WITH GAME DEVELOPMENT SPECIALIZATION

BSc. APPLIED & COMPUTATIONAL MATHEMATICS

Teacher Assistant (TA): English as a Second Language for International Phd Candidates in STEM

MAJOR RELATED EXPERIENCE

ALLISON B. MARGOLIN, PLC | LAW CLERK / TECH CONSULTANT

Los Angeles, CA | July 2024 – Jul Present

- Full design and implementation of <https://allisonmargolin.com> in **React (Astro)**
- Digital forensics with **Magnet Verakey** and **OSINT** software

IOT ONE | UX / UI DESIGN FELLOW

Remote | May 2021 – Jul 2021

- Interpreted user experience information in Hotjar to make UI/UX suggestions for their main webpage using **Figma**

MICROSOFT | SOFTWARE DEVELOPMENT MENTEE

Remote | Jan 2021 - May 2021

- Paired with an individual Microsoft software engineer
- Worked through and taught strategies to solve demo software engineering problems in **C++**
- Developed basic projects using the Scrum **Agile Development Framework**

KEYSIGHT TECHNOLOGIES | SOFTWARE ENGINEER INTERN

Santa Rosa, CA | Jan 2019 – May 2019

- Wrote a GPS from scratch in **C++** using Keysight hardware
- Triangulated position of various drones using radio and cell tower signals

PROJECTS

CODE JUDGE PLATFORM

VUE.JS, JAVA SPRINGBOOT, C++, MYSQL, CONCURRENCY

A full-stack online code judge platform, where users can run C++ files and compare outputs to an expected txt.

Backend written in from scratch using multithreading in Java

TUMBLEWEED

C#, UNITY UNIVERSAL RENDERING PIPELINE

Movement based first person shooter prototype with local co-op and controller support

LIGHTRIDE

C#, UNITY

2D physics puzzle prototype where turning on and off lights allows a ball to move

COLORBOUNCE

C#, UNITY, ANIMATION, POST-PROCESSING

One button arcade style game reminiscent of a modernized Pong

SENTIMENT TRADING BOT

PYTHON, PANDAS, PYTORCH, POSTGRESQL, NLP

LSTM recurrent neural net creating expected stock price changes based on social media sentiment around a given stock with 53% annualized returns compared to the S&P500's 10.26%

OTHER WORK EXPERIENCE

STUDY HALL | BARTENDER / SERVER

Los Angeles, CA | Aug. 2023 – July 2024

양명고등학교 | ESL TEACHER ASSISTANT

경기도 안양시 | Oct 2019 - Dec 2019

BOHEMIAN CLUB | ASSISTANT VALET AND BUS OPERATIONS MANAGER

Monte Rio, CA | May 2019 - Jul 2019

PEACEHEALTH ST JOHN MEDICAL CENTER | VOLUNTEER

Longview, WA | Aug 2016 - Jun 2017