

Christopher Trafton

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Education

California Baptist University, Riverside, CA

Bachelor of Science in Computer Science

Spring 2025

Abet Accredited : Cumulative GPA 3.75

Technical Skills

JAVA, C++, Python, SQL, JAVA Swing, JavaScript, Unreal Engine 5, MS Visual Studio Code, MS Visual Studio, JetBrains IntelliJ, GitHub, MS Excel, MS Word, MS PowerPoint, Windows

Engineering Projects

Action Game Enemy AI

Spring 2026

- Developed NPC AI for enemies that the player can fight in a third person action game
- Designed behavior trees and environmental query searches for the AI enemies to use
- Created both melee and ranged enemies that attack the player

International Politics Simulation Game

Spring 2025

- Developed a strategy game where players can simulate international negotiations and tension.
- Designed and programmed UI for the map, build menus, and interactions in JAVA Swing.

Embedded System to Firestore

Spring 2025

- Developed an embedded system to take in data from multiple sensors and display on a screen
- Connected the system to wifi to send and receive data from a Firestore database

Dance Rhythm Game

Spring 2025

- Developed two embedded systems to connect over bluetooth and receive input from a controller
- Designed a music rhythm game to be played together over the two systems wirelessly

Drone Tracking AI Model

Spring 2024

- Trained an AI model to annotate humans in live streamed video from a drone
- Connected the output stream to a flutter web app

Restaurant Database

Spring 2024

- Developed and programed a database for a restaurant to organize orders
- Created an Information Flow Diagram and Enhanced Entity Relationship Diagram
- Coded the database using SQL and ran on SQL Server

Platformer in Unity Engine

Fall 2021

- Led a group of four engineering students to design, program and test a 2D platformer game
- Used Unity Engine to design a level and gameplay, and coded in C# to write game rules and controls

Work Experience

California Baptist University, Riverside, CA

Student Worker for Safety Services

January 2022 — April 2025

- Work the check in gate for the school campus, monitor the security cameras, and enforce vehicle violations

IntelliEvent, Monterey, CA

Software Engineering Intern

May 2024 — June 2024

- Develop and fix bugs for front/back-end features. Market software at trade shows and work with customers.

Leadership Experience

Boy Scouts of America, Fresno, CA

Eagle Scout

March 2016 — Present

- Worked for six years to achieve the rank of eagle, the highest earnable, achieved by only 4% of scouts
- Organized and led a community service project with Fresno Parks and Recreation
- Led as the Senior Patrol Leader, Assistant Senior Patrol Leader, Patrol Leader, and Quartermaster for my troop

National Youth Leadership Training (NYLT), Fresno, CA

Assistant Senior Patrol Leader of Program

January 2020 — July 2021

- Organized and taught as the Assistant Senior Patrol Leader of Program at NYLT
- Created the schedule for the week and organized all resources and staff accordingly