

# DYLAN SWANSON

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## EDUCATION

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**CALIFORNIA STATE UNIVERSITY LONG BEACH** | GPA 3.4

**Graduating December 2024**

*Computer Science Undergraduate*

### Coursework

Algorithms

Web Development

Software Engineering

UI/UX Design

Computer Systems

Cybersecurity

Statistics and Probability

Unity Game Development

Systems Programming

**UNIVERSITY OF KENT** | GPA 4.0

**September - December 2023**

- Study Abroad in the United Kingdom with a Computer Science emphasis.

**MOORPARK COLLEGE** | GPA 3.5

**August 2019 - May 2022**

*Associates in Computer Science, Mathematics, and Natural Sciences*

## SKILLS

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**Languages:** Javascript, Python (pandas, beautifulsoup), Java, C#, C++

**Technologies:** React, Tailwind, JQuery, Express.js, Git, NGINX, MongoDB

**Tools:** AWS (EC2, S3, Cloudfront, IAM), Firebase, Postman, Unity

## EXPERIENCE

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**Full Stack Engineer Internship** | [TORQ Sports \(Startup\)](#)

**April 2024 - August 2024**

- Collaborated with a team to launch the company's full-stack application using AWS from inception to launch, including frontend UI, (React), backend REST API (Express.js), and database integration (Firebase, AWS S3).
- Developed a SaaS tool that gives high school athletes an efficient way to connect with any NCAA coach across the US.

## PROJECTS

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**2D Procedural Generation Game** | C#

- Features a procedurally generated map through the implementation of a robust Random Walk Algorithm. Optimized multiple enemy AI behaviors, enabling strategic attacks on the player for an enhanced gaming experience.

**Recursive Descent Parser Program** | Java

- Developed a Java program to validate syntax for a custom assembly language, ensuring code adherence to language specifications.

**Fintech Banking Website** | PHP, Codeigniter, CSS, HTML

- Features secure user authentication with session tokens and SHA1 encryption. Implemented fund transfer functionality via a RESTful API.

## ACTIVITIES

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**Collegiate Baseball - Moorpark College**

- Participated in community college baseball while attending Moorpark College where I led my team as the captain and finished each season on the Dean's List.

**Phi Kappa Tau Fraternity - Vice President of Recruitment**