

Dylan Cornel

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EDUCATION

Orange Coast College

Associate of Science in Computer Science, May 2023

Bachelor of Science in Computer Science, May 2025

Major GPA: 3.81

EXPERIENCE

C++/Python Tutor | Orange Coast College:

Jan 2023 – Current

- Provided guidance and feedback on coding projects, assignments, and exams to improve student's understanding of programming concepts
- Conducted one-on-one and group tutoring sessions, including online tutoring, to maximize student learning and engagement

PROJECTS

Finansis – Finance Dashboard App (MongoDB, Express, React, TypeScript)

- Integrated machine learning algorithms to display a predicted revenue line based on historical data
- Designed and implemented database schema and API endpoints using Node.js and MongoDB
- Dockerized the application to provide a more portable and consistent development and deployment environment

Dylstium – Blog App (Next, React, Tailwind, Sanity)

- Integrated Sanity CMS for content management and data storage, which allowed for easy scaling of content creation and management
- Developed the front-end user interface and back-end server using Next.js and React, with a focus on performance and accessibility
- Simplified code structure by utilizing file-based routing, and data using Incremental Static Regeneration

Flowbnb – Airbnb Clone (React, Tailwind, Prisma, PostgreSQL)

- Created a dynamic web application that allows users to browse, search, and book properties based on various filters
- Implemented Prisma ORM and PostgreSQL to handle complex database queries and data retrieval
- Utilized server-side rendering to improve page load times and improve SEO performance
- Deployed the app using a CI/CD pipeline, ensuring seamless updates and reliable uptime.

Technologies and Languages

- Java, C++, JavaScript, Python, SQL, HTML, CSS
- Git, React, MongoDB, PostgreSQL, Docker, Unix