

Christopher Dennis

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EDUCATION

Bachelor of Arts, Computer Science

Pomona College

GPA: 3.4

QuestBridge National College Match Scholarship Recipient

May 2024

Claremont, CA

EXPERIENCE

Software Developer Intern

June 2023 – August 2023

SEI Investments Company

- Developed a full-stack web application to provide data analysis and visualization for financial strategies
- Employed Spring Boot to construct RESTful API endpoints, integrated an Angular frontend for data visualization, utilized MongoDB for streamlined data management
- Achieved a 75% reduction in time required by financial advisors to construct and execute trading strategies
- Collaborated in an agile development environment, contributing to sprint planning, organizing live demos, and delivering a final presentation to the CTO
- Engaged in professional development sessions and presented on the impact of AI in the workforce to a large employee audience

PROJECTS

Tempest Type - Typing Speed Game

Rust, React

- Developed a multiplayer typing game with real-time competitive races
- Implemented WebSockets for instant, synchronous communication between users
- Managed user data using cookies and deployed the backend via Docker

Pet Adoption Platform

React, Express, PostgreSQL

- Created a sample platform to facilitate the process of finding and adopting pets
- Implemented a CRUD system for managing pet data, user registrations, administrative actions, and adoption applications
- Utilized JWT for user authentication and role-based access control
- Managed persistent data with PostgreSQL and integrated API endpoints using Express

Nearby Planes Tracker

React, Express

- Built a real-time flight tracking application using the AirLabs API and Google Maps API
- Integrated dynamic flight data with interactive mapping to display flight positions, origins, destinations, operators, and status
- Implemented efficient state management and API handling in React for responsive user interactions

SKILLS AND TECHNOLOGIES

Languages: Java, Javascript, Python, HTML, CSS

Frameworks and Tools: React, Node.js, SQL, Spring Boot, Git, Docker

Concepts: Data Structures and Algorithms, Object-oriented Programming, Operating Systems, Database Management, Unit Testing