

Justin Fisher

Software Engineer

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EDUCATION

California State University, Long Beach

Bachelor of Science in Computer Science, 3.9/4.0

Expected Graduation May 2024

Long Beach, CA

- **Awards:** President's Honor List (Fall 2022, Spring 2023)
- **Clubs:** Officer of The Association for Computing Machinery
- **Relevant Coursework:** Data Structures, Databases, Algorithms, Software Engineering, Backend Development, System Design

Orange Coast College

Associate of Science in Computer Science, 3.9/4.0

May 2022

Costa Mesa, CA

- **Awards:** President's Honor List (Fall 2020, Spring 2021, Fall 2021, Spring 2022)

PROJECTS

Classmate | Node.js, TypeScript, Express, Firestore, GCP, Cloud Functions, Algolia

March 2023 - Present

- Designed and optimized a RESTful API powered by Node.js, and Express, combined with a Firestore database, resulting in a 20% increase in scalability by employing cloud functions and parallel database queries
- Integrated Algolia with Firebase Cloud Functions to enable fuzzy searching resulting in a 90% increase in search result relevance and accuracy
- Enhanced application security by implementing JSON Web Tokens (JWT) authentication and Bcrypt password encryption to protect sensitive user data, in turn yielding a 10% increase in user trust

Vibe Check | React, JavaScript, Node.js, MongoDB, Spotify API, Express

February 2023 - May 2023

- Led a hackathon team as Product Manager to create a MERN Stack web app utilizing Spotify's API to calculate music taste compatibility between two users, resulting in winning the "Best Overall Project" award at BeachHacks 7.0
- Engineered 5 Express endpoints as lead Backend Engineer, consisting of Spotify OAuth, user base management, and data extraction/integration via custom algorithms
- Implemented a storage optimization algorithm leveraging Spotify API data, resulting in a 90% reduction in user size from 6 million to 35 million
- Improved user creation algorithm's runtime by 60% through the utilization of parallel API calls

Listening Lobby | React, Redux, Express, Node.js, Apple Music API, Spotify API, Socket.IO

October 2021 - February 2022

- Performed data integration between Apple Music and Spotify APIs, facilitating cross-platform music sharing with 13 custom data extraction functions
- Applied Socket.IO to construct 20 web sockets allowing real-time data exchange resulting in an interactive lobby for multiple users
- Leveraged React.js to construct reusable components and Redux for state management, resulting in a 20% decrease in codebase size

WORK EXPERIENCE

Nulla, Inc.

Software Engineer Intern

March 2023 - October 2023

Remote / Long Beach, CA

- Designed and created a conference website using Webflow (CMS), JavaScript, CSS, and HTML
- Applied custom JavaScript for ticket purchasing and newsletter signups, fostering a 20% increase in user engagement
- Redesigned a pitch deck for an enterprise blockchain solution, contributing to a 10% increase in investor response rate

Martin Fisher Photography

Lead Photographer/Editor/Owner

January 2016 - May 2022

Costa Mesa, CA

- Deployed a Java automation program using the Selenium web driver to automate local advertisement posting, resulting in a 90% decrease in time spent posting ads
- Led and managed a small team as lead photographer for 100+ weddings in high-stress situations with clarity and efficiency

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS, Java, Python, UML, SQL
- **Frameworks/Libraries:** Node.js, Express, MongoDB, React, Next, SASS, jQuery, Socket.IO, Firestore, PostgreSQL
- **Additional:** RESTful APIs, Agile, Scrum, Object-Oriented Programming (OOP), Git, Linux, Photoshop