

Justin Ho

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EDUCATION

WESTERN GOVERNORS UNIVERSITY

Bachelor of Science in Computer Science

Expected May 2026

Relevant Coursework: Data Structures and Algorithms, Software engineering, Back-end Programming, Advanced Java

UNIVERSITY OF COLORADO BOULDER

Bachelor of Arts in Philosophy

December 2020

SKILLS

Languages: Java, Python, C++, JavaScript, TypeScript, CSS, SQL, HTML

Frameworks & Tools: React, Next.js, TailwindCSS, Node.js, Express, Spring Boot, Sequelize, Postman

Databases: PostgreSQL, MySQL, Supabase

Other: RESTful API, JWT, Bcrypt, Agile, Linux, Git, Github, Supabase, AWS EC2, Docker

PROJECTS

SCREENWRITER - *A Screenplay Editor*

React, Next.js, TailwindCSS, Node.js, Express, PostgreSQL, Supabase

- Built a WYSIWYG word processor built with React, Next.js, and TailwindCSS, developing and implementing customized screenplay extensions with the Tiptap rich text editor
- Created a RESTful API using Node.js, Express, and Sequelize and hand user authentication with Bcrypt and JWT
- Enabled users to export screenplays to PDF using the html2pdf library
- Stored data on a PostgreSQL database using Supabase

TRAVEL AGENCY BOOKING SYSTEM

Java, Spring Boot, MySQL, Angular, Docker, AWS EC2

- Developed a Java backend using Spring Boot and Maven that interacted with a MySQL database and an existing Angular frontend application
- Managed vacation booking data, vacation-related excursions, and checkout logic
- Created multithreaded processes to update the frontend for localization
- Containerized and deployed the app on AWS EC2 using Docker

PACKAGE DELIVERY OPTIMIZATION SYSTEM

- Developed a logistics simulation system in Python to schedule and track package deliveries using a nearest neighbor algorithm, optimizing for delivery time and mileage.
 - Implemented a custom chaining hash table for efficient storage and retrieval of information.
 - Achieved realistic time and distance tracking by integrating real address and distance data
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WORK EXPERIENCE

Self Employed - *Futures Trader*

January 2021 - December 2024

- Traded futures contracts based on short-term price volatility
- Coded custom indicators in C#, JavaScript, as well as proprietary languages to support trading strategies
- Simulated and analyzed strategy performance using Monte Carlo methods in Python