

Charlie Taylor

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Education

California State University, Fullerton

Bachelor of Science in Computer Science, Magna Cum Laude

Graduated: May 2023

GPA: 3.88

Orange Coast College

Associate of Science in Computer Science

Graduated: Jun 2021

GPA: 3.89

Experience

Software Engineer | Sage, Remote

Jan 2022 - Present

- Contribute to the Sage Network's Accounting Data Service, managing accounting data integration from various ERP systems
- Implemented a payments acceptance service, enabling transactions through platforms like Stripe, PayPal, and GoCardless
- Implement file scanning solution to secure user attachments, reducing scan times by 80%
- Engineered and maintained a REST API for accounting data, using ASP.NET with SQL Server for the database

Software Engineer Intern | Lockstep, Remote

Jun 2021 - Sep 2021

- Built Lockstep's API for their new Inbox product, made to visualize AR and AP accounts
- Project lead for Attachments API to allow users to attach notes and files to any invoice, payment, etc.

Engineering Support | El-Com Systems, Garden Grove, California

Jan 2020 - Jun 2021

- Core member of engineering team of electronic interconnect manufacturing company
- Drafted 300+ plots for streamlining production; created automation tools for document control

Projects

GPT Showdown | Python, FastAPI, Svelte, SQLite

([GitHub ↗](#))

- Developed an interactive quiz game, similar to Kahoot, featuring Chat GPT as a contestant at FullyHacks 2023
- Achieved the "Most Complicated Project" award
- Implemented web sockets to facilitate real-time participation in user-generated multiplayer quizzes

Layover Party | Python, FastAPI, Flutter, SQLite

([GitHub ↗](#))

- Developed an flight search app that identifies long layovers, enabling users to explore additional destinations during their travels, showcased at LA Hacks 2023
- Won recognition as the best project in the Travel category

Snapshot | Python, FastAPI, SQLite

([GitHub ↗](#))

- Developed a social SMS game that enabled users to share photos with friends
- Implemented a dynamic prompt system that guided users in sharing images
- Leveraged Twilio's SMS API to communicate to users

Searchlight | C#, .NET

([GitHub ↗](#))

- A simple and safe open source query language for API design written in C#
- Engineered and tested essential SQL filter operators
- Introduced a new feature for MongoDB querying, expanding database support
- Implemented functionality to store and query JSON columns

Technical Skills

Languages: C#, Python, C++, JavaScript/TypeScript, HTML/CSS

Technologies: .NET, ASP.NET, Express, NodeJS, Deno, Svelte, FastAPI, Flask, Flyway, PostgreSQL, SQL Server, SQLite, Azure, Cloudflare

Concepts: Software Engineering, Frontend and Backend Development, File Structures and Databases