Charlie Taylor

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Education

California State University, Fullerton | 3.88 GPA   *May 2023*
Bachelor of Science in Computer Science   Fullerton, California

Orange Coast College | 3.89 GPA   *June 2021*
Associate of Science in Computer Science   Costa Mesa, California

Work Experience

Junior Software Engineer   *Jan 2022 – Present*
Lockstep   Remote

- Work on connectors to ERP systems such as QuickBooks Online, Xero to sync data
- Lead project to create new ETL connector system to Acumatica ERP
- Integrate a payments acceptance service into the Lockstep API to allow payments via Stripe, PayPal, GoCardless, etc.

Software Engineer Intern   *June 2021 – Sept 2021*
Lockstep   Remote

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

Engineering Support   *Jan 2020 - June 2021*
El-Com Systems   Garden Grove, California

- 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

- A Kahoot-like quiz game where Chat GPT is a contestant, made for FullyHacks 2023
- Won "Most Complicated Project" prize
- Uses web sockets to allow users to participate in user-generated live multiplayer quizzes

Layover Party | Python, FastAPI, Flutter, SQLite

- An app that looks for flights with long layovers to visit more places as you travel. Made for LA Hacks 2023.
- Won best project in the Travel category

Searchlight | C#, .NET

- A simple and safe query language for API design written in C#
- Implemented operators used for querying and added testing for the LINQ executor
- Worked on a new feature to implement MongoDB querying

Leadership

CSUF Association for Computing Machinery (ACM) | Dev President   *Fall 2022 - Spring 2023*
International Collegiate Programming Contest (ICPC) | Team Lead   *Feb 2023*

Skills

Languages: C#, Python, C++, JavaScript/TypeScript, HTML/CSS
Tools: .NET, ASP.NET, Express, Flyway, NodeJS, Deno, Svelte, FastAPI, Flask
Databases: PostgreSQL, SQL Server, SQLite
Cloud Tools: Azure, Vercel, Cloudflare
Courses: Software Engineering, Frontend and Backend Development, File Structures and Databases