

# CHARLIE TAYLOR

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## EDUCATION

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**BS in Computer Science** California State University, Fullerton *Spring 2023*

**AS in Computer Science** Orange Coast College *Spring 2021*

*Relevant Coursework: Data Structures, Software Engineering, Algorithm Engineering, File Structures and Databases, Python & C++ Programming, Discrete Math, Linear Algebra, Operating Systems*

## SKILLS AND TOOLS

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

**Tools & Frameworks:** .NET, ASP.NET, Express, Flyway, NodeJS, Deno, Svelte, Azure Cloud Services, SQL Server, Postgres, FastAPI, Flask

## EXPERIENCE

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**Junior Software Engineer** *Seattle, WA*  
*Lockstep* *January 2022 – Present*

- 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** *Seattle, WA - Remote*  
*Lockstep* *June 2021 – September 2021*

- 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** *Garden Grove, CA*  
*El-Com Systems* *January 2020 – June 2021*

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

## PROJECTS

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**GPT Quiz** - <https://github.com/Peekoe/gpt-showdown> *Spring 2023*

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

**Searchlight** - <https://github.com/tspence/csharp-searchlight> *Summer 2021*

- 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

**Gesso** - <https://github.com/Peekoe/Gesso> *November 2020*

- A TS wrapper library for the Canvas LMS API
- Generated from Python web scraper with BeautifulSoup, and available on NPM and Deno

## LEADERSHIP

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**CSUF Association for Computing Machinery (ACM) Dev President** *Fall 2022 – Present*

- Lead workshops for web development and put on a project showcase at the end of the semester

**International Collegiate Programming Contest (ICPC) Team Lead** *Feb 2023*