

CHARLIE TAYLOR

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EDUCATION

BS in Computer Science California State University, Fullerton *Spring 2023*
AS in Computer Science Orange Coast College *Spring 2021*
Cumulative GPA: 3.88

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

SKILLS AND TOOLS

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

Tools & Frameworks: .NET, ASP.NET, Express, Flyway, NodeJS, Svelte, Azure Cloud Services

EXPERIENCE

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

- Join API team to continue developing new endpoints and systems
- Work on connectors to ERP systems such as QuickBooks Online, Xero to sync data
- Create patch validation pattern with [Fluent Validation](#) to ensure patch calls use valid information
- Currently leading project to create new connector to Acumatica ERP

Software Engineer Intern *Seattle, WA - Remote*
Lockstep *June 2021 – September 2021*

- Built Lockstep's API for their new Insights product, made to visualize AR and AP accounts
- Refactored and created over 15 endpoints and migrated data from old databases
- Led 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

[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

[ICON](#) *Spring 2022*

- A tool to import Canvas assignments into a Notion database
- Created API for this project to retrieve and map assignments to the database
- Built using NodeJS and Express with Jest testing

The Wall Music Player *November 2020*

- Developed a desktop music player using Python and Tkinter to listen to *The Wall* by Pink Floyd
- Allows the user to view the lyrics, visualize data with Matplotlib, and play the music via Pygame

LEADERSHIP

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