Jared Connor

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Summary

Developer with prior experience designing financial and economic forecasting systems transfering to software development, highly capable of building scalable cloud-based back-end services with a high threshold for learning and output.

Education

Oregon State University — Jun. 2020 – Jun. 2022
Bachelor of Science in Computer Science - 3.64/4.00 — *Portland, OR*
Data Structures, Assembly, Web Development, Algorithm Analysis, Databases, Agile Development

The University of Oregon — Sep. 2012 – Jun. 2016
Bachelor of Science in Economics, Minors: Philosophy, Business - 3.52/4.00 — *Eugene, OR*
Econometrics, Linear Algebra, Discrete, Macro/Micro, Time Series Forecasting

Projects

Unity Breakout | Github | Demo — Jan. 2022

- Atari *Breakout* clone built in Unity game engine.
- Intelligent agent trained through reinforcement learning algorithm and learning environment through Pytorch and ML-Agents Unity package.

Smallsh | Github — Jan. 2022

- Unix-based shell written in C utilizing POSIX-based process APIs.
- Parses commands and argument lists, including input/output redirection, to run executables in both foreground and background mode.
- Developed built-in *exit*, *cd*, and *status* commands.

Wikipedia Table Scraper | Github — Jun. 2021

- Python-based REST API microservice.
- Parses tables from Wikipedia and returns JSON objects to render.

Technical Skills

Languages: Python, C/C++, JavaScript, Golang
Frameworks and Libraries: pandas, Flask, Astro, Svelte, NumPy, Dash, Node.js, Express.js, CSS/HTML
Developer Tools: Git, Bash, MS-DOS, Docker, AWS, Azure, GCP
Databases: MS-SQL/T-SQL, MySQL
Concepts: REST APIs, agile data modeling, liquidity/funding forecasting, econometrics

Experience

Senior Data Analyst — Sep. 2022 – Present
BECU — *Seattle, WA*

- Spearheaded the implementation of Funds Transfer Pricing (FTP) methodology into the profitability model for BECU's driver-based costing model, resulting in a net increase of cost accuracy by $100mn.
- Developed and updated business line profit and loss reports for three years, improving transparency and accuracy of strategic financial decision making for business partners.
- Demonstrated advanced expertise in SQL and SAS to effectively manage the data infrastructure and execute updated profitability model and cost reporting structure.

Financial Analyst, Treasury — Oct. 2017 – Sep. 2022
Umpqua Bank — *Portland, OR*

- Designed & maintained five econometric models utilized in Interest Rate Risk reporting process reducing overall issued FDIC market risk and Model Risk findings by 85%.
- Improved liquidity reporting with cash forecasting process in Python, increasing forecast accuracy by 45%.

- Implemented Treasury data warehouse with Python-based ETL framework and on-premise MSSQL instance increasing reporting efficiency by ten days.

Internship, Cash Product Office Jun. 2015 – Sep. 2015
Federal Reserve Bank of San Fransisco *Los Angeles, CA*

- Analyzed Reserve system's currency distribution service area with spatial risk model and presented findings to 12th District Executive Committee.