Junior Software Engineer

JUSTIN BELLEY

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Skills

- **Programming Languages:** C#, Python, JavaScript, C++ (Pandas, NumPy, SciPy, MatPlotLib),
- Exceptional ability to adapt and acquire new skills efficiently in dynamic environments.

- **Databases**: SQL (SQL Server, MySQL,)
- Fluent: English/French

Projects

WanderingInnScraper – Personal Project (4/1/2024)
- Project Overview: Developed 'WanderingInnScraper', a Python tool for automated web scraping of novel chapters from 'The Wandering Inn'. Focuses on precise HTML parsing and efficient data management.
- Technologies Used: Python, BeautifulSoup, requests, Markdown, HTML.
- Key Achievements:
  - Extracted chapter data by parsing complex HTML with BeautifulSoup.
  - Implemented duplication checks to ensure unique content collection.
  - Converted and organized content into Markdown format for readability and structure.

LiliumWM (In Development) – Personal Project
- **Overview:** Developing 'LiliumWM', a customizable window tiling manager for Windows. Inspired by i3 WM, aiming to optimize functionality for the Windows platform.
- Technologies: C++, Win32 API, AutoHotkey (AHK).
- Current Focus & Goals: Working on a lightweight, efficient design for improved desktop organization and usability. Integrating AutoHotkey for advanced key binding customizations. Addressing Windows-specific compatibility and performance challenges to create a user-centric window management solution.

COVID 19 DEATHS/VACCINATIONS – Personal Project   October 2022
- Utilized various SQL techniques such as joins, CTEs, temp tables, window functions, aggregate functions, and creating views.
- Conducted in-depth analysis on Covid-19 cases, deaths, and vaccinations, including calculating death percentages, population infection rates, and tracking vaccination progress.
- Created views to store and visualize the data, facilitating data-driven decision-making and providing insights for stakeholders.

Work Experience

WEB DEVELOPER – JW Bakery – Williston, VT   December 2021 - Current
- Analytics: Utilized Google Analytics to track website performance and customer behavior, making data-driven improvements.
- Automated Workflows: Implemented automated email notifications for new orders and customer inquiries, reducing manual workload.

SHOP SUPERVISOR – American Precision Engineering **–** Pflugerville, TX   March 2019 - September 2022
- Tracked and managed inventory of raw materials, equipment, and supplies, optimizing procurement.
- Managed a team of 6 Fabricators, overseeing day-to-day operations and ensuring adherence to production schedules.
- Collaborated with engineering and design teams to review project requirements and provide input for fabrication processes.
- Utilized CAD software, such as AutoCAD and SolidWorks, to review and update engineering drawings, ensuring accuracy, and resolving design issues.
- Skills – Robotic welding, Tig/Mig welding, CNC Laser operation, Press brake and Manual Mill.

Education

BS in Software Engineering - **Western Governors University -** Expected Graduation: May 2024
Certifications- Google Advanced Data Analytics Professional, Business Intelligence Certificates