

HENRY BALDWIN

512-705-9664 | henrybaldwin@gmail.com | github.com/HenryMBaldwin | Hoboken, NJ

EDUCATION

Stevens Institute of Technology

Bachelor of Science in Cybersecurity

August 2019 - May 2023
Hoboken, NJ

- Relevant Coursework: Algorithms, Data Structures, Systems Programming, Database Management, Comp. Org. & Programming, Concurrent Programming, Software Development Process, Risk Mgmt for Financial Cybersecurity, Cryptography, TCP/IP Networking

WORK EXPERIENCE

GYL Financial Synergies

Software Engineer & IT Administrator

May 2023 - Present
New York, NY

- Created and maintains Stargazer, a performant financial data management middleware platform bridging financial data to excel for trading, asset management, and data analysis for \$10.8B AUM written in Rust and TS
- Oversees and maintains all aspects of the firm's computer infrastructure, including managing all related vendors, software, and projects
- Sole maintainer of mission critical asset management and trading software written in C# and VBA
- Acts as a first responder and coordinator in cyber incidents

GYL Financial Synergies (formerly Financial Partners Capital Management)

Software Engineer

October 2021 - May 2023
New York, NY

- Sole developer and custodian of mission critical asset management and trading software for \$700M AUM written in C# and VBA
- Created Excel macro and formula based client wealth projection models
- Worked closely with non-technical team members to produce automations and software to meet their needs, reducing the time to complete tasks by up to 10 times

PROJECTS

Placecard

Event Planning Website

Senior Design

- Lead a team of 6 to improve Placecard website UX and back-end
- Developed an RSVP feature using React and PostgreSQL that integrated with Placecard's signature seating survey and provided real-time updates on guest attendance
- Implemented SMS system, extending placecards automated correspondence to take place over SMS as well as email

Liquid

Real Time Data Viewer for On-chain Liquidity Pools

Personal

- Developed a flexible UI for viewing real time financial data for multiples DEXes using SvelteKit and TypeScript
- Parsed and combined real time data from multiple sources, including DEXScreener API and raw on-chain data from RPC Endpoints
- Designed an aesthetically pleasing and rearrangeable tiling system for customization of graph layout

MIDI2Arduino

MIDI to Arduino Code Transpiler

Personal

- Created a Python program that transpiles any MIDI file to a playable Arduino code file(s)
- Optimized output code to be run under the maximum of 2 simultaneous tones constraint of the Arduino UNO to use as few boards as possible for replay

TECHNICAL SKILLS

Programming: C#, Rust, VBA, Python, JavaScript, TypeScript, HTML, CSS, Bash, Lua, SQL, LaTeX

Tools and Software: Microsoft Azure AD, GDB, Fiddler, dotPeek, Microsoft Office (Advanced Excel), Visual Studio, VirtualBox, Logic Pro

Technologies and Frameworks: SvelteKit, Tauri, Git, PostgreSQL, ExcelDNA, pandas, jQuery, Node, React

ACTIVITIES AND HOBBIES

Creative: Programming, Drumming, Piano composition, Songwriting

Physical: Hiking, Climbing, Backpacking, Running