

HENRY BALDWIN

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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 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 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 (asset management and trading) software to their specifications, reducing the time of 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