

HENRY BALDWIN

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EDUCATION

Stevens Institute of Technology

Bachelor of Science in Cybersecurity

August 2019 - May 2023
Hoboken, NJ

- 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

IT Administrator

May 2023 - Present
New York, NY

- Oversees and maintains all aspects of GYL Financial Synergies' computer infrastructure
- Creates efficiencies within the firm's tech stack and manages all projects and vendors associated with it
- Writes bespoke asset management, trading, and accounting software based in C# and Excel VBA

GYL Financial Synergies (formerly Financial Partners Capital Management)

Software Engineer

October 2021 - May 2023
New York, NY

- Engineered performance critical proprietary asset management and trading software written in C# and VBA
- Worked with web APIs and asynchronous C# to create automated data channels
- Wrote and debugged extensive Excel macros and formula based models manipulating and analyzing sensitive financial data
- Refactored mission critical software from Citrix to Sharepoint back-end during company merger
- Worked closely with non-technical team members to produce software that accelerated workflow by up to 15 times

LEADERSHIP EXPERIENCE

Chi Phi Fraternity

President

January 2022 - December 2022
Hoboken, NJ

- Represented the Chapter to the school administration, campus community, and national fraternity office
- Managed a team of 12 executive committee members and guided them in their roles using a system of SMART goals
- Lead weekly meetings of 40 fraternity members to facilitate both the success of the fraternity and its individual members

PROJECTS

Placecard

Event Planning Website

Senior Design

- Lead a team of 6 to improve Placecard website through both UX and back-end development
- Developed an RSVP feature that integrated with Placecard's signature seating survey and provided real-time updates on guest attendance
- Implemented SMS integration allowing Placecard's existing rich HTML emails to operate over SMS

'Chrome Extension'

Custom CSS Chrome Extension

Personal

- Used HTML, CSS, and JS with jQuery to create a chrome extension that allows user to define custom CSS rules to restyle arbitrary text on an HTML web page
- Utilized recursive node based DOM traversal and nested element insertion
- Designed pop-up UI to provide a visual interface to create, delete, and toggle persistent rules

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, C++, C#, Java, VBA, Python, Javascript, HTML, CSS, Bash, Lua, SQL, OCaml, Erlang, LaTeX

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

Technologies and Frameworks: Linux, Arduino, Git, PostgreSQL, ExcelDNA, pandas, jQuery, Node, React

ACTIVITIES AND HOBBIES

Creative: Programming, Drumming, Piano composition, Songwriting

Physical: Hiking, Climbing, Backpacking, Skiing