Brooks Wimer

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EDUCATION
Boston University | Boston, MA | Deans Advisory Board | Peer Tutor | GPA: 3.74 | May 2025

CODING EXPERIENCE
SyncSonic | *Raspberry Pi · Python · BlueZ · PulseAudio · BLE GATT · Shell · Typescript* | 2/25 - 5/25
- Conceptualized and engineered the world's first brand-agnostic multi-speaker Bluetooth audio orchestrator
- Programmed Raspberry Pi + Bluetooth chips for wireless playback with up to 4 devices of any make
- Developed a mobile app that manages the hardware over BLE, enabling control over pairing, connection, volume, balance, and latency of each speaker—offering a low-cost alternative to proprietary systems like Sonos

Kitbash | *Android · Kotlin · Jetpack Compose* | 2/25 - 5/25
- Built an Android mobile app that functions as a customizable game controller for PC games
- Users design drag-and-drop layouts with buttons, joysticks, motion, and voice control—providing a free and flexible alternative to traditional controllers and a more engaging experience than keyboard controls

Capacity Deviation Display | *R · SQL · JS · CSS · HTML* | 9/24 - 11/24
- Built a live dashboard used by power grid operators to monitor real-time capacity deviations
- Automated data pipelines using R & SQL and integrated an interactive JavaScript web display—enabling faster operational responses by consolidating key metrics into a single view and eliminating manual data collection

Emergency Notification System | *Python · SQL* | 5/24 - 9/24
- Built a Python and Selenium script to sync two disconnected data sources for the Emergency Notification System that alerts all New England energy providers during emergencies
- Fully eliminated manual data entry—saving hours each week and preventing input errors

API Template and Instructions | *Java · XML · Python* | 5/24 - 8/24
- Overhauled API documentation by authoring a 60-page guide and a companion visual training tool
- Built a GUI-based API template that lets users input their data without writing code
- Enabled 30% of previously non-compliant renewable energy plants to meet mandated data submission

FoodPal | *Java · SQL · Python* | 9/23 - 12/23
- Developed a prototype web application that simplifies meal planning by integrating a recipe API, Google Places API, DoorDash API, and a WebDriver script for automated ingredient selection and delivery—offering a subscription-free alternative to services like HelloFresh with greater recipe variety

WORK EXPERIENCE
Software Development Intern | Remote | *Corso* | 1/25- 4/25
- Contributed to the development of a Next.js web application for AI-powered data analytics and visualization of construction permits and regulatory data

Software Development Intern | Holyoke, MA | *ISO New England* | 6/24 - 1/25
- Built software tools to assist with managing New England's power grid

Course Assistant C# Full Stack App Dev | Boston, MA | *Boston University* | 9/23 - 5/25
- Designed curriculum, taught classes, and assisted students in conceptualizing and developing novel applications

CPG Research Analyst | Remote | *Talitha* | 5/23- 5/24
- Worked with the M&A team analyzing Salesforce data to identify and contact potential acquisition targets

E-commerce Research Analyst | Remote | *Dragonfly* | 5/21- 1/22
- Worked for the M&A division researching and contacting potential Amazon brand acquisitions

TECHNOLOGIES:
Python, Java, C#, C, SQL, Command Line, Linux, HTML, R, React, XML, JavaScript, CSS, TypeScript