Andrew Pfennigwerth

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Education

University of Colorado Boulder   **Boulder, CO**
Major: Computer Science Minor: Business   *May 2025*
Awards: Chancellor's Achievement Scholarship

Fordham Preparatory School   **Bronx, NY**
                                                                                                          May 2021

Work Experience

Makeinspires   **Mamaroneck, NY**
Instructor   *June 2022 – August 2022*
- Led classes and camps for students aged 5-17 on robotics, 3D design, and intro programming (Python, C++)
- Guided Makerspace members on personal projects and assisted with their development

The Barley Beach House   **Rye, NY**
Busser   *June 2021 – September 2021*
- Balanced tasks like clearing tables, cleaning dishes, and food running in a fast-paced environment
- Worked with waiters and chefs to maintain efficient service
- Provided guests with a positive experience through friendly and clear communication

Programming Projects

Portfolio Website
Design and Development of my personal website
- Learned how to structure an HTML document and use semantic elements
- Styled the site with Sass files to make the code organized and readable
- Utilized media queries to keep the site responsive at all screen sizes

Buff-Coin
Implementation of a Simulated Cryptocurrency
- Emulated the blockchain as a list of nodes called blocks
- Created a text-based interface for managing the chain
- Integrated the same cryptographic algorithm that Bitcoin uses to secure transactions
- Used git to collaboratively develop the project

Relevant Coursework

CSCI 1300: Starting Computing
CSCI 2270: Data Structures
CSCI 2400: Computer Systems
CSCI 3002: Fundamentals of Human-Computer Interaction
CSCI 3308: Software Development Methods and Tools

Skills

C++, Python, Javascript, HTML, CSS, Sass, Figma, Microsoft Office, Command Line, Linux, GDB, Git