

Cormac Taylor

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ

September 2022 - May 2025

Bachelor of Science in Computer Science

GPA: 3.955 | **Awards:** Edwin A. Stevens Scholarship, Dean's List, Upsilon Pi Epsilon Honor Society

Relevant Coursework: Algorithms, Data Structures, Discrete Structures, Linear Algebra, Probability & Statistics, Systems Programming, Operating Systems, Computer Architecture & Design, Database Management Systems

TECHNICAL SKILLS

Languages: Java, Python, C++, C, Linux, Bash, OCaml, PostgreSQL, Scheme, Javascript, HTML, CSS, TypeScript, ARM64 Assembly, MATLAB

Frameworks: Spring Boot, Spring Integration, Spring Web, Spring Cloud, React

Software/Tools: Maven, GitHub, Bitbucket, Microsoft 365 Applications, Jira, Confluence

WORK EXPERIENCE

TD Securities | *Java, Maven, Spring Framework, Bitbucket*

New York, NY

Software Engineer Intern

June 2024 - Present

- Responsible for **enterprise integration** and **automation** utilizing **Java**, **Maven**, and the **Spring Framework**.
- Learned business context: compliance regulations in **anti-money laundering** and **trade surveillance**.
- **Upgrading transformer to Spring Boot 3** that automates the formatting of data from exchanges, banks, and internal databases into vendor-specified formats for anti-money laundering and trade surveillance analysis.

Vector Marketing, CUTCO | *Time Management, Presentations*

Fairfield, NJ

Sales Representative

July 2022 - August 2022

- Referral-based sales aimed to book **hour-long presentations** on products and operated on an **autonomous schedule**.
- Earned a performance-based promotion in the first week for **top 10%** performance; totaled **\$2,500+** in sales.

PROJECTS

Online Multiplayer Trivia Game | *C*

May 2024 - May 2024

- Created a **live multiplayer** trivia game utilizing **socket programming** and the **client-server model** to allow users to compete on classic or custom trivia questions. Parses trivia questions, located in a formatted .txt file, and loads them into **data structures** in the host while waiting for the game to fill.

Chrome Extension Portfolio | *JavaScript, HTML, CSS, and Chrome API*

September 2023 - February 2024

- Built a TV show search extension in **JavaScript**, **HTML**, and **CSS** using a third-party **API** to help find shows related to keywords—integrated text-to-speech functionality to assist with the pronunciation of titles and descriptions.
- **Published** a Pomodoro timer extension in **JavaScript**, **HTML**, and **CSS** with an integrated to-do list and notifications.

Custom Assembler and CPU | *Logism-Evolution & Python*

December 2023 - December 2023

- Created a custom **ARM-stye CPU** on Logism-Evolution supporting ARM64's ADD, MUL, LDR, and STR instructions and immediate numbers. Additionally, made an assembler in **Python** to translate supported instructions from a .txt file into machine code for the CPU.

Finding Shortest Path | *C++ and Floyd-Warshall algorithm*

December 2023 - December 2023

- Implemented Floyd-Warshall's **graph algorithm** for finding the shortest path between every vertex. **Parses .txt** file on input to create the graph as a **matrix** then precedes to apply the algorithm until all the shortest paths are found.

EXTRACURRICULARS

Interests: Personal Finance, Entrepreneurship, Philosophy, Psychology, Craftsmanship, Engineering, Cooking

Hobbies: Weight Lifting, Road Running, Woodworking, Smoking Barbecue