

Cormac Taylor

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EDUCATION

Hoboken, NJ	Stevens Institute of Technology	September 2022 - May 2025
<ul style="list-style-type: none">• Major: Computer Science, B.S. (GPA: 3.955)• Awards: Upsilon Pi Epsilon Honor Society, Edwin A. Stevens Scholarship, Dean's List (All semesters)• Relevant Coursework: Algorithms, Data Structures, Operating Systems, Systems Programming, Discrete Structures, Database Management Systems, Linear Algebra, Probability & Statistics, Computer Architecture & Design		

WORK EXPERIENCE

TD Securities <i>Java, Spring, Maven, Git, Jira, Confluence</i>	New York, NY
<i>Software Engineer, Intern</i>	June 2024 - Present
<ul style="list-style-type: none">• Improved performance of trade surveillance systems by 6.5% by spearheading the transition to Java 17.• Engineered and automated enterprise integration processes using Java, Maven, and Spring, enhancing system reliability and efficiency by 15%.• Boosted the lifespan of a critical piece of our data pipeline by 2 years by migrating to Spring Boot 3.• Saved 100s of man-hours by documenting trade surveillance systems significantly lowering knowledge transfer costs.	
Vector Marketing, CUTCO <i>Time Management, Presentations</i>	Fairfield, NJ
<i>Sales Representative</i>	July 2022 - August 2022
<ul style="list-style-type: none">• Conducted autonomous, referral-based sales presentations to boost customer engagement and drive sales growth.• Promoted in the first week for ranking in the top 10% of new representatives. Generated \$2,500+ in sales.	

PROJECTS

Online Multiplayer Trivia Game <i>C</i>	May 2024 - May 2024
<ul style="list-style-type: none">• Engineered 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 server-side data structures, efficiently preparing the game environment while waiting for the game to fill.	
Chrome Extension Portfolio <i>JavaScript, HTML, CSS, and Chrome API</i>	September 2023 - February 2024
<ul style="list-style-type: none">• Published a Pomodoro timer extension in JavaScript, HTML, and CSS with an integrated to-do list and notifications.• 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 increase accessibility.	
Custom Assembler and CPU <i>Logism-Evolution & Python</i>	December 2023 - December 2023
<ul style="list-style-type: none">• 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 to process.	
Finding Shortest Path <i>C++ and Floyd-Warshall algorithm</i>	December 2023 - December 2023
<ul style="list-style-type: none">• 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.	

TECHNICAL SKILLS

Languages: (Proficient) Java, Python, C++, C, Unix, Bash, SQL, OCaml; (Familiar) Javascript, TypeScript, HTML/CSS, Scheme, ARM64 Assembly, MATLAB
Frameworks: Spring, React, JUnit
Software/Tools: Git, Jira, Confluence, Maven, GitHub, Bitbucket, Microsoft 365 Applications

EXTRACURRICULARS

Interests: Personal Finance, Entrepreneurship, Philosophy, Psychology, Craftsmanship, Engineering, Cooking
Hobbies: Weight Lifting, Road Running, Woodworking, Smoking Barbecue