

# ETHAN BARON

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## EDUCATION

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**THE GEORGE WASHINGTON UNIVERSITY, School of Engineering and Applied Science**  
**Bachelor of Science in Computer Science and Finance**

**Washington, DC**  
**May 2022**

**GPA: 3.8; University Honors Program; Dean's List; Presidential Scholarship**

Relevant Coursework: Quantitative Trading, Applied Financial Securities Analysis, Financial Derivatives, Investment and Portfolio Management, Money and Capital Markets, Advanced Financial Management, Blockchain Fundamentals, Operating Systems, Advanced Networking and Distributed Systems, Database Systems, Software Engineering, Algorithms

## TECHNICAL SKILLS

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**Programming Languages and Web Technologies:** Java, C, Kotlin, Python, HTML, CSS, PHP

**Operating Systems and Software:** Windows, macOS, AWS, Ubuntu, CentOS, SQL, Trello, Git, Microsoft Office

## RELEVANT EXPERIENCE

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**GW INVESTMENT INSTITUTE**

**Washington, DC**

**Undergraduate Teaching Assistant – Quantitative Trading**

**December 2021 – Present**

- Revised several course learning outcomes, syllabus, and weekly class slides in collaboration with Vice Dean and two program managers to shape third iteration of new finance course offering
- Introduced eight new projects and assignments, familiarizing 29 students with time series analysis, while providing necessary tools for quantitative trading model construction, presentation, and demonstration at course conclusion
- Supported professor and program managers by advising students on coursework, grading 14 assignments, delivering feedback within a week of collecting submissions, being present in class, and holding two weekly office hours

**GW SCHOOL OF ENGINEERING AND APPLIED SCIENCE**

**Washington, DC**

**Undergraduate Teaching Assistant**

**January 2020 – Present**

- Taught 200 computer science students after vigorous selection process including strong performance and recommendation, receiving multiple rounds of overwhelmingly positive student feedback
- Designed over 15 lessons, exercises, and assignments to enable impactful remote instruction during global pandemic with experience-based insights gained through previous course completion
- Facilitated ten laboratory sections and held weekly office hours for five different courses as part of instructional staff, providing students with personalized assistance

**AMAZON WEB SERVICES**

**New York, NY**

**Software Development Engineer Intern**

**May 2021 – August 2021**

- Built six API endpoints and activities to deliver highly customer-requested template validation features, reducing number of customer actions required to validate templates by 50%
- Authored and contributed to 15 code reviews over 12 weeks, addressing team feedback and pushing code to production
- Mastered Kotlin and nine AWS technologies to enable contribution to entire service stack used by a team of 16 engineers

## PROJECTS/ACTIVITIES

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**OPERATING SYSTEMS**

**Fall 2020**

- Collaborated with two other students to build and integrate container management, priority-based scheduling, synchronization, and shared memory structures into xv6, a Unix-like primitive operating system
- Implemented each of four modules through low-level kernel programming, then merged 8,500 lines of code using Git

Vice President of Pledge Education and Risk Manager, Delta Sigma Pi Professional Business Fraternity, 2019 – Present

Member, GW Association for Computing Machinery, 2018 – Present

Member, GW School of Engineering and Applied Science Undergraduate Ambassadors, 2020 – 2021

**Interests:** Running cross country, trying new restaurants, attending electronic music concerts