

William K. Nash

New York, New York

will@willna.sh | willna.sh | [/in/wnash](https://in.wnash) | github.com/williamknash | (914)-255-6350

Education

Massachusetts Institute of Technology

Cambridge, MA

S.B in Mathematics and S.B in Computer Science, GPA: 4.3

Class of 2022

- Relevant Coursework: Advances in Computer Vision, Optimization Methods, Elements of Software Construction, Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Introduction to Algorithms, Discrete Mathematics, Fundamentals of Programming, Mathematics for Computer Science, Real Analysis, Probability and Random Variables, Linear Algebra, Differential Equations, Physics: Electricity and Magnetism, Managerial Finance, Macroeconomics

Experience

Vannevar

New York, NY

Forward Deployed Engineer

July 2024 – Present

- Worked across multiple DoW and Federal Law Enforcement product efforts, embedding with users globally to scope operational problems and ship zero-to-one prototypes and production applications from field feedback.
- Built and owned full-stack product surfaces across React frontends, backend workflows, data pipelines, and agentic AI orchestration, turning ambiguous user requests into deployed capabilities that helped land several multi-million-dollar deals.
- Created a new agentic AI product as a founding and lead engineer in response to an urgent mission-critical request from a senior DoW official, leading core app development, workflow design, and rapid iteration with operators as it moved from prototype to daily-use mission tool.
- Helped grow the product from 0 to 7,000+ DoW users in six months, driving production rollout in operational environments and continually improving features, compliance, reliability, UX, and complex agentic workflows using robust user telemetry.

Johns Hopkins University Applied Physics Laboratory

Laurel, MD

Data Analyst and Software Engineer

July 2022 – April 2024

- Supported a large-scale software project focused on autonomy and AI on an air-based multi-agent platform as the lead for autonomous path recommendation and optimization. Additionally, supported the DevOps team as a software engineer during the initial software infrastructure buildout.
- Supported a technical effort for USCYBERCOM as a software lead and data analyst for an analytics dashboard utilized by defensive cyber force leadership for force allocation and awareness. Immediately assumed a leadership role in the team and reshaped the project to better suit the client's needs.

Fermata Discovery

New York, NY

Software Intern

June – August 2021

- Worked on data analytics and software for improvements of the Fermata's VIXN subject lookup algorithm. Also involved in product development, investigations work, and implementing automated web scraping.

Emerging Response

Cambridge, MA

AI Intern

July – August 2020

- Worked on developing and refining the algorithm for Emerging Response's Incident Ally app, which uses AI to relay all relevant information about emergencies to subscribers, such as police or fire departments, in real time.

AQR Capital Management

Greenwich, CT

Data Analytics Intern

June – August 2019

- Performed research and data analysis related to different strategies such as merger arbitrage, convertible arbitrage, and other event-driven strategies with CNH Partners, AQR's arbitrage affiliate.

Skills and Interests

Skills: TypeScript • React • LangChain • Python • Excel • SQL • JavaScript • Docker • Prompt Engineering • Git • CI/CD

Interests: Hockey • Football • Baseball • Golf • Filmmaking • Scuba Diving • Skiing • Traveling • Fitness • Birding

Security Clearance

Top-Secret/SCI