MASON V. MINES

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EDUCATION

University of North Carolina at Chapel Hill – Chapel Hill, NC Expected May 2028
Bachelor of Science in Computer Science, Minor in Physics
Major GPA: 4.0, **Cumulative GPA:** 3.86
Related Coursework: Data Structures, Discrete Mathematics, Multivariable Calculus
Honors: Honors Carolina-Highly-competitive academic program admitting 10% of each incoming class

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TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, Typescript, R, C#
Apps & Frameworks: React, Vite, Next.js, Bootstrap, ChakraUI, Git, Tableux, OpenAI, CATIA, Streamlit, Unity

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RELEVANT EXPERIENCE

Software Developer | CS for Social Good – UNC Chapel Hill *Spring 2024*

- Collaborated with a team of undergraduates to develop **Lemkin with Borderless Justice Initiatives**, a fully functional web application designed to create a secure, AI powered platform that revolutionizes how human rights organizations and prosecutors handle cases.
- Designed front-end using **Next.JS** and **TypeScript** for various front-end requirements
- Completed multiple projects with the Fall Education team, including developing an Instagram profile clone, while adhering to industry standard procedures.

Laboratory Technician | National Institute for Aviation Research (NIAR) *Dec. 2022 – August 2024*

- Conducted **industry-standard aviation research** using Java, Python, and modeling frameworks.
- Modelled aircraft systems in collaboration with federal partners (protected under NDA).
- Conducted detailed data analysis and applied aerospace research methodologies to address avionic system challenges.

Inspirit AI Certificate Course | AI Scholars Live Online Program – Virtual *Summer 2024*

- Completed a 25-hour bootcamp that covered fundamental AI concepts, including machine learning, natural language processing (NLP), and large language models (LLMs).
- Developed a **Finance + ML model** using **Bert** that analyzed financial tweets and returned sentiment analysis to inform financial decisions.
- Collaborated with a small group, receiving personalized instruction from graduate students from
- top universities, including Stanford and MIT.

TECHNICAL CHALLENGES

Hackathon Participant | Carolina Area Hackathons *Fall-Spring 2024-2025*

- Engaged in multiple high-profile hackathons, the Carolina Data Challenge, Hack110, HackDuke, HackNC, SolHacks, Quantum Hacks, and more.
- Self-taught **full-stack development, data analysis and visualizations, and API integration,** as well as basic Quantum circuit design and other SWE principles.
- Awarded “Best Web Hack”, “Best Use of Streamlit”, and “Quantum Art Gallery” for projects using the MapboxAPI, Streamlit’s data visualization tools, and Qiskit’s quantum circuit modeller.