# Noah Arooji

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## Education

**University of Virginia,** Charlottesville, VA                              **Expected May 2027**
B.S. Computer Science and Applied Statistics (Data Science Concentration)
- GPA: 3.80
- Relevant Coursework:

  Data Structures & Algorithms, Computer Systems & Organizations 1/2, Software Development Essentials, Probability, Regression Analysis

## Technical Skills

- Programming Languages: Java, C, Python, TypeScript, JavaScript, R
- Technologies: SQLite, Next.js, APIs, MongoDB, NCCL, Git, MATLAB, MS Office Suite
- Certifications: (NASM) Certified Personal Trainer, CPR, and AED

## Projects

**AI Macronutrient Tracker - Full Stack Application,** *GitHub* | *Initial Design***September 2024 - Present**
- Leveraged **React.js**, **TypeScript**, and Google Vision (OCR) technologies to develop a web application that calculates accurate macronutrient and calorie data from recipe photos
- Constructed a data pipeline from users to the backend using **MongoDB** hosted by AWS
- Designed and built initial MVP to assure capability and user-friendly functionality for web and mobile deployment

**HooHacks 2025 – PromptLite | Devpost**                              **March 2025**
- Designed and created a Chrome extension using React.js and Vite in under 24 hours to promote AI sustainability
- Leveraged DOM of chatgpt.com to create a smoother user prompting experience with a fully functional UI integrated into the website

## Relevant Experience

**UVA Biocomplexity Institute,** *Machine Learning Researcher*          **December 2024 – May 2025**
- Streamlined high-performance computing of heterogeneous tasks on machine learning models utilizing Nvidia Collective Communications Library (**NCCL**)

**UVA Recreation,** *Personal Trainer*                              **January 2025 - Present**
- Formulated and implemented personalized fitness programs to meet individual client goals, including weight loss, muscle gain, and endurance improvement
- Motivated clients through goal setting, tracking progress, and positive reinforcement to ensure long-term adherence.

**UVA Collaborative Robotics Lab,** *Robotics Researcher*          **January 2025 - Present**
- Develop and implement AI-driven speech capabilities to support context-aware interactions across various human-robot scenarios using Llama 3
- Research the role of affective trust in human-robot interactions, analyzing how emotional cues influence user perceptions and engagement with robotic systems