Jack Doggett

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University of Maryland, College Park, MD

PROFILE:

I am a Computer Science senior at the University of Maryland. I am interested in applying Math, Neuroscience, and Computational Finance to Computer Science in Artificial Intelligence, Data Science, and Software Engineering. I am looking to continue my experience in industry and apply what I have learned in my classes.

EDUCATION:

University of Maryland

- Senior, CS major (machine learning track), math minor, neuroscience minor, computational finance minor
- Study abroad in Math and Neuroscience at University College London, Spring 2024
- Expected graduation in Spring 2025
- 3.6 GPA

Montgomery Blair High School

- Graduated in June 2021 with a weighted GPA of 4.7
- Had concentration of upper-level classes in computer science, biology, and chemistry

EXPERIENCE:

- **Leidos (Summer 2023, Summer 2024)**
  - **OS and Infrastructure for ERAM, Software Developer Intern (June – August 2024)**
    - Systems programming and Linux administration
  - **API development for ERAM, Software Developer Intern (June – August 2023)**
    - API, networking, and OS programming on Linux and Unix, C++, Ada, Python

- **University of Maryland Institute for Advanced Computer Studies (UMIACS), Undergraduate Technical Staff (September 2022 – May 2023)**
  - Support UMIACS research projects and equipment
  - Manage data center/high performance computers and software
  - Network and system administration, Linux administration

HONORS, AWARDS, AND MEMBERSHIPS:

Linux Club

- President of Linux club at UMD, plan and lead meetings and workshops on using Linux.

Neurotech Club

- Previous Vice-president of Neurotech club at UMD, lead projects involving wearable EEGs for NeuroTechX competition.
- Run meetings, presentations on machine learning and using EEGs with Python.

SKILLS:

- Proficient in C/C++ (including Linux interfacing and Networking) and Python (including PyTorch, Scikit-Learn, and Pandas), Ada, experienced in Java, familiar with JavaScript and OCaml.
- Experience working in Software Development team, Scrum, code testing and inspections.
- Experience in managing and using Linux servers/computers (RHEL and Debian), IT operations.

RELEVANT COURSEWORK:

- **Computer Science**
  - Operating Systems (CMSC 412), Computer Networks (CMSC 417)
  - Intro to Data Science (CMSC 320), Intro to AI (CMSC 421), Intro to Machine Learning (CMSC 422), Intro to Deep Learning (CMSC 472)
  - Intro to Ethical Hacking, Intro to Blockchain and Cryptocurrency, Intro to Web Development
- **Math**
  - Calculus 1-3, Linear Algebra, Differential Equations
  - Intro to Probability Theory (STAT 410)
  - Advanced Calculus 1 (MATH 410)
  - Computational Methods (MATH0058), Applications of Linear Algebra (MATH 401)
  - Cryptography (MATH 456)
- **Computational Finance**
  - Introduction to Financial Markets and Financial Datasets (BUFN 400) with Pete Kyle
  - Option Theory and Derivatives (BUFN 401) with Steven Heston
- **Neuroscience**
  - Intro to Neuroscience (NEUR 200), Neural Systems and Circuits (NEUR 305)
  - Fundamentals of Learning and Behavior (PSYC 302)
  - Behavioral Neuroscience Laboratory (PSYC 407)
  - Visual Neuroscience (NEUR0017)

INTERESTS:

Software Development, Datacenter Administration, Artificial Intelligence/Deep Learning, Computational Finance, Data Science, Scientific Computing