Gianna Everette

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Ambitious undergraduate student committed to engineering impactful solutions at the intersection of technology and human needs. Strong inclination towards team organization and leadership, ensuring seamless collaboration. Systematically approaches problems and excited to learn from others.

Education

Brandeis University, Waltham, MA — May 2025 (expected)
B.S. in Computer Science & Physics Minor

Certificates & Awards

Break Through Tech at MIT, Cambridge, MA — July 2022
Certificate in Machine Learning Foundations

MIT Policy Hackathon, Cambridge, MA — Dec 2022
Winner of Internet & Cybersecurity Challenge

Skills

Programming Languages & Tools: Python, Java, JavaScript, HTML, CSS, Bash, Svelte, Google Suite, Microsoft Office
3D Modeling/Prototyping: SolidWorks, Fusion 360, KiCad
Relevant Courses: Introduction to ML (Data Camp), Introduction to Probability & Statistics, Applied Linear Algebra, Data Structures & the Fundamentals of Computing
Soft Skills: Creativity, Responsibility, Communication, Time Management, Organized, Committed

Experience

Van Hooser Neuroscience Laboratory, Waltham, MA — Jan 2022 – Present
Research Assistant

- Developing a data analysis algorithm using the Naka-Rushton equation and Bayes' Theorem to increase range of collected points for a neuronal response curve. Goal is to determine most likely neuronal response from increased probability density.
- Designed, modeled, and assembled 3D printed carbon fiber microelectrode arrays and Thomas electrode microdrives using KiCad, Solidworks, and Fusion360 to track cell activity and preference in ferrets' visual systems.

Break Through Tech AI, Cambridge, MA — May 2022 – April 2023
AI Scholar

- Implemented a collaborative-filtering system dependent on user-to-item comparison to calculate similarities in movie scores to build a movie recommendation system for a Google-sponsored Kaggle competition.
- Utilized Python and PyTorch to train models and improve computer vision to accept new and diverse American Sign Language data to achieve more ubiquitous real-time translation. Model accurately identified 7% of photos from the diversified dataset compared to 0% at the start.

Leadership

Society of Asian Scientists and Engineers (SASE) – Treasurer — 2023 – Present
Computer Science Undergraduate Departmental Representative (UDR) — 2023 – Present
Brandeis Encourages Women in Science & Engineering (BEWISE) – Treasurer — 2022 – Present