ANNA SHERMAN

Electrical and Computer Engineering Student

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Summary

Enthusiastic and driven Electrical Engineering student with a minor in Neuroscience, passionate about the intersection of technology and Neuroscience. Possessing a strong foundation in electrical circuit design, signal processing, and neuroengineering, I am eager to apply my knowledge to innovative projects at the convergence of these fields, such as brain-computer interfaces and neural prosthetics. With hands-on experience in lab research, a keen analytical mindset, and a commitment to advancing neurotechnological solutions, I aim to contribute to cutting-edge developments that enhance human capabilities and address neurological disorders.

Skills

Software/Programming: Python · C++ · HTML · Blender · Fusion 360 · Excell/Google Spreadsheets

Experience

NASA Planetary Environments Laboratory
Greenbelt, MD

Software Engineering Intern
07/2022 - 08/2023

- As an intern, I worked with one of the subcontractors the lab was partnering with, Microtel. I worked on numerous coding and software engineering projects, such as organizing data from the Gas Chromatography Mass Spectrometer, as well as artificial data generation in order to provide data to test new equipment.

Harvard Medical School/Massachusetts General Hospital
Boston, MA

Visiting Student at the Brain Aging and Dementia Laboratory
09/2021 - 09/2022

- I was a virtual visiting student at the Brain Aging and Dementia Laboratory. I attended different types of meetings, such as lab meetings and weekly student meetings. I got weekly assignments to research and learn more about dementia and the way our brain ages.

Columbia University
New York, NY

Summer Intern at the Gottlieb Laboratory
05/2021 - 08/2021

- I was a student researcher at the Gottlieb Lab located at Columbia University, where I was mentored by two Ph.D. students and helped out with ongoing Neuroscience research, specifically in the field of attention and decision-making. I specifically worked on creating an experimental model with python based on the research done by one of the Ph.D. students.

Education

Vanderbilt University
Nashville, TN

BSc in Electrical and Computer Engineering, Minor in Neuroscience
09/2023 - Present

- Coursework: Calculus I, Calculus II, Multivariable Calculus, Linear Algebra, General Chemistry I + II (with lab), Physics I (with lab), CS I
- Clubs and Activities: Vanderbilt Robotics, Varsity Rowing, Running Club

International School of Kenya
Nairobi, Kenya

High School Diploma
01/2022 - 05/2023

- Coursework: IB Chemistry HL, IB Applications & Interpretations HL, IB Language & Literature HL, IB French SL
- Clubs and Activities: Founder and President of Hack Club, President of Greenhouse, ISSEA Chess, ISSEA STEM

Languages

Russian Native ●●●●●

Slovak Native ●●●●●

German Proficient ●●●●○

Czech Proficient ●●●●○

French Advanced ●●●○○