EVAN GLAS

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EDUCATION

Duke University, Pratt School of Engineering **August 2020 – May 2024**
BSE in Electrical and Computer Engineering | Double Major in Computer Science | Minor in Math/Machine Learning   Durham, NC
- Relevant Coursework: Elements of Machine Learning, Applied Probability for Statistical Learning, Signals and Systems, Advanced Multivariable Calculus, Linear Algebra, Probability, Computer Architecture, Data Structures and Algorithms, Fundamentals of Electrical and Computer Engineering, Intro to Economics

Peddie School **September 2016 – May 2020**
GPA: 4.0/4.0 Hightstown, NJ
- SAT: 1570/1600 | SAT Chemistry: 800/800 | SAT Bio M: 800/800
- Relevant Coursework: Multivariable Calculus, Linear Algebra, Calculus-based Statistics, Introduction to Data Science, AP Physics C, AP Computer Science A, AP Chemistry, AP Biology, AP Calculus BC, AP Spanish Language, AP US History, AP US Government, AP English Language, AP Statistics
- Armellino Scholar: Received full merit scholarship covering four years of tuition, room, and board.
- National Merit Scholar, Three-sport varsity athlete (cross-country, indoor track, lacrosse), Cum Laude Society member, National US Computing Olympiad Silver Division, Academic All-Mid Atlantic Prep League Honors, FIRST Robotics, Dorm Prefect, Science Bowl Team Captain, Chamber Orchestra Violinist

WORK EXPERIENCE

Duke Brain Tool Lab **September 2021 – Present**
Undergraduate Researcher Durham, NC
- Incoming member of Duke Brain Tool Lab, a research group studying neurosurgical robotics.
- Currently working on robot that autonomously resects brain tumors using high-intensity laser.

Duke Bass Connections, Eye Tracking Team **June 2021 – Present**
Undergraduate Team Member Durham, NC
- Member of interdisciplinary research group facilitated by selective Duke Bass Connections program.
- Currently researching the use of ML to diagnose/understand concussions in youth football players through eye tracking data.

Duke Impact Investing Group **January 2021 – Present**
Data Analyst Durham, NC
- Currently working with Root Causes, a nonprofit fighting food insecurity, to help draw insights from client data.
- Conducted data analysis for Villa, a California-based affordable housing startup over Spring 2021
- Provided data-driven feedback on marketing and customer acquisitions strategies.
- Used various statistical methods and data visualization techniques across multiple Python libraries.

Dynamic Autonomy and Intelligent Robotics Lab, University of Pennsylvania **Summer 2019**
Summer Research Intern Philadelphia, PA
- Internship through selective Peddie EXP Science Research Program.
- Completed Peddie Advanced Science Research class in which I wrote a mock-research proposal and delivered poster presentation.
- Streamlined experimentation process (data collection, processing, and visualization) to test a quasi-static robotic control framework.
- Used Python Google Drive API to automatically update and retrieve experimental data.
- Wrote Python program to determine robot end-effector location via data from computer vision camera-array.
- Acquired fundamental understanding of robotic control theory and modelling.

EXTRACURRICULAR INVOLVEMENT

Duke Applied Machine Learning Group, *Member* **Spring 2021 – Present**
- Completed Duke Applied Machine Learning (DAML) training course on fundamental machine learning techniques.

Duke eNable, *Member* **Fall 2020 – Present**
- Currently learning how to implement neural networks to sense EMG signals to control low-cost prosthetics
- Hope to apply recent developments in research to preexisting models.

SKILLS & INTERESTS

- **Skills:** Java, Python, C++, Intermediate Spanish Proficiency, FL Studio music production software
- **Interests:** Running, music production, guitar, piano, cycling, lacrosse, AI/machine learning, lifting