Evan Glas

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EDUCATION

DUKE UNIVERSITY
MASTER OF SCIENCE
2023-2024 | Durham, NC
MS in Electrical & Computer Engineering

BACHELOR OF ENGINEERING
2020-2023 | Durham, NC
Majors: Electrical & Computer Engineering, Computer Science
Minor: Mathematics
Involvement: Quantitative Finance Club, HackDuke, Duke Impact Investing Group
GPA: 3.90 / 4.0

PEDDIE SCHOOL
HS DIPLOMA
2016 - 2020 | Hightstown, NJ
Armellino Scholar: Awarded Full Merit Scholarship
Honors: National Merit Scholar • US Computing Olympiad Silver Division • Academic All-Mid Atlantic Prep League • Three-Sport Varsity Athlete
GPA: 4.0 / 4.0 • SAT: 1570/1600

COURSEWORK

Financial Derivatives • Algorithmic Trading • Applied Probability for Statistical Learning • Graduate ML • Graduate Software Engineering • Algorithms • Operating Systems • Computer Architecture • Computer Network Architecture • Data Structures • Advanced Linear Algebra • Advanced Multivariable Calculus • Probability • Differential Equations • Asset Pricing and Risk Management

SKILLS

Programming Languages
Python • SQL • Java • C++ • JS • HTML • CSS • C • MATLAB
Libraries
Pandas • Pytorch • Matplotlib • Sci-kit Learn • SciPy • NumPy • React JS
Software
Git • Linux • Tableau • LaTeX • Altium
Other
FL Studio • Intermediate Spanish
Interests
Violin • Lacrosse • Poker • Fitness • Piano • Chess • Music Production

EXPERIENCE

RBC CAPITAL MARKETS | QUANTITATIVE STRATEGIES GROUP INTERN
June 2023 - | New York, NY
- Actively completing rotation on domestic ETF market making desk

BNY MELLON | DATA SCIENCE INTERN
June 2022 - August 2022 | New York, NY
- Researched interpretable machine learning algorithms for feature selection for business segment forecasting models (CCAR Team)
- Built Jupyter Widgets dashboard to configure parameters and run various financial models. Reduced time to configure models by 75% over previous method.
- Technologies used: **Python, Pandas, Jupyter Widgets, Scikit-Learn, Matplotlib**

HACKDUKE | TECH TEAM LEAD
Jan 2022 - Present | Durham, NC
- Led 12-person development team of HackDuke and Code for Good websites.
- Applied mobile-friendly design and collaborated with UI/UX design team to maximize site usability, provide information for prospective hackathon attendees
- Technologies used: **JavaScript, HTML, CSS, React JS, Next.js, Bulma**

DUKE INJURY BIOMECHANICS LAB | INDEPENDENT STUDY
March 2021 - December 2022 | Durham, NC
- Designed and built circuit to track eye movement via EOG electrode headset
- Researched signal-processing techniques for eye-tracking data
- Technologies used: **MATLAB, Altium**

UPENN DAIR LAB | SUMMER RESEARCH INTERN
May 2019 - August 2019 | Philadelphia, PA
- Internship at UPenn Dynamic Autonomy & Intelligent Robotics Lab
- Streamlined data collection, processing, visualization through C++, Python scripts.
- Wrote program to determine robot location via data from camera array.
- Technologies used: **C++, Python, Matplotlib, Google Drive API**

PROJECTS

AI-ENBABLED GEOGUESSR CLONE | [DEMO](#), [GITHUB](#), [REPORT](#)
Built an AI-enabled GeoGuessr clone as part of ECE 487 class team project. Personally responsible for most of front-end and game logic.
Technologies Used: **React JS, Tailwind, Google Maps API**

RISC GAME | [DEMO](#), [GITLAB](#)
Built an Risk-like game as part of ECE 651 class team project. Features include live multiplayer via remote server, in-game chat, JavaFX UI, CI/CD pipeline
Technologies Used: **Java, JavaFX**

CS 671 CLASS KAGGLE COMPETITION | [WRITEUP](#), [GITHUB](#)
Built predictive model, conducted analysis on employee attrition dataset. Placed 6/145 for accuracy on public leaderboard in graduate machine learning class.
Technologies Used: **Python, Pandas, Scikit-Learn, Matplotlib**

CLUSTERING VISUALIZER | [WEBSITE](#), [GITHUB](#)
Built an interactive clustering visualizer. Implements K-Means and DBSCAN algorithms using paper.js vector graphics library for canvas graphics, animations.
Technologies Used: **JavaScript, HTML, CSS, paper.js**