

DANIELBERRY

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EDUCATION

Vassar College | Poughkeepsie, NY

B.A. expected May 2025

Major: Computer Science *Minor:* Economics

GPA: 3.15 / 4.0

Member: Vassar College Men's Varsity Soccer

- Awarded All-Conference and All-Region honors

Lakeland Regional High School | Wanaque, NJ

Graduated June 2021

Captain: Lakeland Regional Boys Varsity Soccer

GPA: 3.9 / 4.0

- Awarded All-Conference, All-County, and All-State honors

SKILLS

Programming Languages: Python, Java, OCaml, C++, SQL, C, Swift, Javascript, HTML, CSS

Areas of focus: Statistics, Predictive modeling, Machine learning, Web development, Mobile / App development

Technologies: Jupyter NoteBook, Git, Microsoft Excel, Google Sheets, RStudio, Sage

Certifications: 6 Month Google Advanced Data Analytic Professional Certificate - [link to certificate](#)

PERSONAL PROJECTS

Grindtime [GitHub](#) | [Demo video](#)

- Developed a personalized workout tracking app that helps users manage and plan their fitness routine.

Nitelite [GitHub](#)

- Designed an app for students to discover and engage with campus-wide events. It allows users to explore events, leave reviews and ratings, view detailed event information, and connect socially by sharing their experiences.

Sailfort Motors Analysis Project [GitHub](#)

- Developed and evaluated predictive models for employee turnover, focusing on Logistic Regression and Tree-based models (Decision Trees and Random Forests). After encoding and splitting the data, I built and assessed each model using performance metrics like accuracy, precision, recall, F1-score, and AUC to draw my final conclusions.

Premier League Soccer Project [GitHub](#)

- Developed a predictive modeling project on Premier League team performance, analyzing multi-season match data using Python and R with machine learning techniques to forecast final standings based on midseason metrics; performed data wrangling, feature engineering, and model evaluation.

EXPERIENCE

Production Planning Intern, Plast-O-Matic | Cedar Grove, NJ

December 2024 - January 2025

- Write and distribute work order travelers to machine shop foreman. Collaborated with the department manager to gather data and analyze performance manufacturing metrics in Excel in order to optimize performance.

Machine Operator, Plast-O-Matic | Cedar Grove, NJ

May 2023 - August 2023; May 2024 - August 2024

- Operated industrial machines using a variety of different materials and ensured precise production processes; collaborated with co-workers to improve product quality and process efficiency; reported on the status of tasks and daily production.

Intramural Organizer & Referee, Vassar College | Poughkeepsie, NY

September 2022 - Present

- Coordinated sports leagues and teams for Vassar College intramural participants; track scores and standings of the leagues; refereed soccer, basketball, and volleyball.

INTERESTS

Playing and watching sports (especially the New York Knicks, Yankees, and Giants), hiking, cooking, and watching movies.