

Michele Sezgin

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EDUCATION:

Smith College

Expected Graduation May 2023

Bachelor of Arts in Computer Science & Minor in Exercise and Sport Studies | GPA: 3.85/4.00

Relevant Coursework: Intro to Computer Science, Data Structures, Theory of Computation, Microprocessors and Assembly Language, Computer Graphics, Machine Learning, Introductory Statistics, Intro to Data Sciences, Intro to Discrete Mathematics, Calculus II, Linear Algebra, Multiple Regression, Communicating with Data, Intro to Coaching

WORK EXPERIENCE:

Smith College, DSC-WAV

Northampton, MA

Data Science Intern

January 2022 - Current

- Collaborate in a team of four undergraduate students to improve and debug Shiny app for local non-profit SPIFFY coalition to aid organization in data-driven decision-making.
- Team uses Agile mindset and Scrum framework with 2-week sprints, improving understanding and skills necessary for real-world product development workflows.

PROJECT EXPERIENCE:

Teaching Machine Learning Project, *Machine Learning*, Professor Katherine Kinnaird

Northampton, MA

- Produced a resource designed for students with basic statistical knowledge to learn about machine learning concepts over two months (project can be accessed at: <https://github.com/m-sezgin/ml-portfolio>).
- Designed and built three jupyter notebooks, with each notebook explaining how a machine learning concept (gradient descent, PCA, linear regression) can relate to or build off basic statistical concepts.
- Developed ability to explain technical concepts at a low/understandable level.

Data Science Project, *Introduction to Data Science*, Professor Ben Baumer

Northampton, MA

- Collaborated with two other students to replicate a data visualization displaying the most unisex names throughout US history by applying data wrangling and plot manipulation in RStudio.
- Enhanced coding proficiency by designing and implementing functions and leading the team on testing and debugging.

LEADERSHIP ACTIVITIES:

Smith College Ice Hockey Team

Northampton, MA

Treasurer and Captain

September 2020-current

- Plan and lead 2-4 weightlifting, conditioning, and skating practices per week for team of ~30 players to improve player skills in all aspects of the game of hockey.
- Create additional text resources for specific skill topics to provide less skilled players with additional support.
- Volunteer private one-on-one skating and hockey lessons for players looking to improve at a more rapid pace.
- Create and implement coaching philosophy with specific goals for improving team skills and team culture to achieve better team performance.
- Manage budget by invoicing players for dues, tracking payments, and dividing up resources based on team's needs to ensure team stays in good financial standing with college and has funds necessary to complete season.

Independent Women's Club Hockey League

Northampton, MA

Treasurer

September 2021-current

- Manage budget for league of ~30 teams, creating invoices, tracking payments, and processing reimbursement requests to ensure organization is in good financial standing.

WOZQ 91.9 Smith College Radio

Northampton, MA

Co-host of "Is My Driving Any Better?"

September 2020-June 2021

- Curated weekly one-hour playlist with songs of varying genres with co-host, with commentary.
- Improved communication and collaboration skills.

SKILLS & INTERESTS:

Computer: Github, Eclipse, Emacs, Repl, IDLE, RStudio

Languages: Java, C, JavaScript, Python, R, SQL

Interests: Power skating/hockey, guitar, painting, embroidery