

# Ayman Khan

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## Education

### Middlebury College

*Candidate for Bachelor of Arts, Major in Computer Science*

Middlebury, VT

*Expected May 2025*

**Relevant Coursework:** Linear Algebra, Computing for the Sciences, Data Structures, Math Foundations of Computer Science, Computer Architecture, Data Across Disciplines, Machine Learning, Economic Statistics, Computer Graphics, Regression, Educational Testing

## Experience

### Fairbanks Museum & Planetarium

*Data Analysis Intern*

Hybrid, St. Johnsbury, VT

*June 2023 - August 2023*

- Used machine learning libraries such as Tesseract in Python in order to convert hand-written text within images into a single Excel file.
- Used R to perform data analysis and create visualizations for an external data dashboard called Zooniverse.
- Managed a Zooniverse data platform to bring in more data and used the Zooniverse dashboard to publish the R visualizations and results of statistical analysis performed using R to the public.

### Team4Tech

*EdTech Intern*

Remote, Bronx, NY

*June 2022 - August 2022*

- Collaborated with team members to complete assigned research in order to deliver technical solutions to the NGO partners.
- Created two handbooks, based on the research performed, with fellow team members, each based on the premise of technological reformation, to deliver to the partners.
- Worked as a consultant to the NGO partners to provide technical and educational advice.

### Middlebury Development

*Back End Developer*

Middlebury, VT

*September 2023 - Present*

- Assigned to the Back End team to code MiddDash, a prospective website that will function as a food delivery system within the Middlebury College student population.
- Learning the software development cycle through weekly crash courses by the club's senior developers

## Side Projects

### Shiny App Dashboard [Does demographics play a role in influencing Intra-State Conflict?]

- Used R to obtain data, perform data analysis, and create a dashboard to help answer the underlying question of whether demographics influence conflicts.
- <https://aymankhanportfolio.shinyapps.io/DemographicRelationsApp/>

### Market-Value Predictor

- Used R and Python to web scrape data, perform data analysis, and create a machine learning model that predicts the market value of different soccer players.
- Used JavaScript, HTML, CSS, and Flask (Python) to create a functioning UI for the model.
- <https://aymankhan2003.github.io/posts/project/ProjectBlogPost.html>

## Additional

**Computer Skills:** proficient in Microsoft Office; proficient in Python; proficient in Java; proficient in R; proficient in Stata; beginner in SQL; proficient in Machine Learning frameworks; and proficient in HTML, JavaScript, and CSS.

**LinkedIn:** [www.linkedin.com/in/ayman-khan-9b10a91b2](https://www.linkedin.com/in/ayman-khan-9b10a91b2)

**Github (Extra Projects) :** <https://github.com/aymankhan2003>