

# 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

**Activities:** Muslim Student Association, Intramural Soccer, Badminton Club, Midd Masti (South Asian Dance Group), Middlebury Hackathon

## 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.

### Karim Kabouch Coding Fellowship

*Research Fellow*

**Remote, Bronx, NY**

*July 2020 - August 2020*

- Developed a website using JavaScript, HTML, and CSS with user interactive buttons to change webpages and use weblinks.
- Learned how to interact with Git to upload my code.

## 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 do 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:** Excel, Word, PowerPoint, Photoshop, Illustrator, Premier Pro, proficiency in Python, proficiency in Java, proficiency in R, proficiency in Stata, basic knowledge in SQL, and intermediate in HTML, JavaScript, and CSS.  
**LinkedIn:** [www.linkedin.com/in/ayman-khan-9b10a91b2](http://www.linkedin.com/in/ayman-khan-9b10a91b2)