

# Dominick Robinson

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## EDUCATION

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### Carnegie Mellon University

May 2025

*Bachelor of Science in Mathematical Sciences (Statistics), Minor in Creative Writing*

*Pittsburgh, PA*

- 3.92/4.00 GPA
- **Relevant coursework:** Matrices and Linear Transformations, Principles of Imperative Computation, Multidimensional Calculus, Probability, Principles of Real Analysis, Intro to Statistical Inference II, Intro to Ordinary Differential Equations, Discrete Math, Intro to Accounting, Intro to Machine Learning, Modern Regression, Numerical Methods

## PROJECTS

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### Game Creation Society Project (Supreme Hen Donkey)

Feb 2022 - May 2022

*Team Lead*

*Pittsburgh, PA*

- Quickly learned game development with no prior experience to deliver quality product
- Won **GCS Gold Award** for excellence

## RESEARCH

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### Graph Theory: Cops and Robbers

May 2023 - present

- Developed video game and mathematical tool based on graph theory game of cops and robbers
- Includes graph editor, JSON converter/parser, and computer opponents which follow proven optimal strategies

### Gamification in the classroom: How different types of leaderboards and levels of goal-setting affect performance and motivation in a problem solving task

Sept 2020 - May 2021

- Developed live online slide puzzle game using Python/Pygame
- Collected and analyzed various statistics of 100+ players using Google Sheets API

## LEADERSHIP

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### Game Creation Society

Dec 2022 - present

*President*

*Pittsburgh, PA*

- Plan and lead officer meetings and general body events involving 70+ members
- Communicate and plan talks with industry speakers

### CMU Pickleball Club

Dec 2022 - present

*President/founder*

*Pittsburgh, PA*

- Grew club to 200+ members in less than two semesters

## WORK EXPERIENCE

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### Carnegie Mellon University

Aug 2023 - present

*Teaching Assistant for 21-256 Multivariate Analysis*

*Pittsburgh, PA*

- Create lesson plans for weekly recitations containing 30 students
- Host office hours, grade homeworks and exams, and create homework solutions using LaTeX

### Walmart

May 2022 - Aug. 2022

*Online Grocery Pickup*

*Latrobe, PA*

- Retrieved items from all departments of store in a timely manner while assisting many customers

## SKILLS

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- **Programming:** Python, R, Numpy, HTML, CSS, Pandas, C, Seaborn, Matplotlib, SQL
- **Tools:** LaTeX, GitHub, PowerPoint, Excel, Word

## Unused stuff

### **Game Creation Society Project (Mad Rabbits: Epic Vegetable Quest)**

*Team Lead*

**Sept 2022 - Dec 2022**

*Pittsburgh, PA*

### **Greater Latrobe Senior High School**

*Cashier of Student Store*

**Aug 2020 - May 2021**

*Latrobe, PA*

- Managed cash register, restocked items, and interacted with customer