

# Justin Almas

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## Education

**Georgia Institute of Technology**, Atlanta, GA  
*B.S. in Computer Science*  
*Minor in French*

Graduating: May 2025  
GPA: 3.95/4.0

## Projects

### Tic-tac-toe Bot

- Designed a tic-tac-toe bot to compete against other students in a competition with points awarded for wins and draws as well as points subtracted for bot errors
- Utilized python programming to develop the bots algorithm using dictionaries, lists, file write/read, and control structures
- Developed a unique playstyle to protect against bot errors and employed the use of documented optimal strategies to maximize win rate
- Placed 7th out of 1780 students with a 94% win/draw rate

### Startup Idea Form

- Designed a form to collect startup ideas and compile them into a single list using Java and JavaFX
- Utilized Java principals such as wrapper classes, class inheritance, interfaces, file read/write, and error handling to produce the program for the form
- Employed the use of JavaFX to create an interactive user interface implementing JavaFX elements such as Hboxes, Vboxes, buttons, labels, sounds, and custom alerts

### Principal Component Analysis

- Employed the use of Matlab to analyze indicators of Belgium's economy using principal component analysis to determine potential correlation between variables and overall economic trends
- Utilized linear algebra principles such as eigenvalues, eigenvectors, projections, vectors, and matrices to perform the principal component analysis
- Displayed observations through various time graphs, plots, and correlation circles.

## Work Experience

**Academy Sports and Outdoors**, Buford, GA  
*Cashier and Customer Service Representative*

May 2022 - July 2022

- Assisted 400+ customers daily with checking out their goods and actively worked to develop a symbiotic customer-cashier relationship through above and beyond customer service
- Communicated effectively with customers to solve problems and exceed their needs

## Technical Skills

- Java - Proficient
- Python - Proficient
- C++ - Intermediate
- HTML - Advanced Beginner
- GitHub - Proficient
- MacOS - Proficient
- Windows OS - Proficient
- Linux - Advanced Beginner
- French - Intermediate

## Relevant Coursework

Intro-Object Oriented Programming | Linear Algebra | Statistics & Applications | Data Structures & Algorithms | Computer Organizations & Programming | Objects and Design | Discrete Mathematics