

# Adam Kulikowski

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## Education

### Georgia Institute of Technology | Atlanta, GA

Expected Graduation: May 2027

Bachelor of Science in Computer Science | Certificate in Finance

GPA: 3.5/4.0

- Concentrations: Information Internetworks/People
- Relevant Coursework: Data Structures and Algorithms, Computer Organization, Object-Oriented Programming, Linear Algebra, Multivariable Calculus, Finance and Investments

### Universitat Politècnica de Catalunya | Barcelona, Spain

May 2024 – June 2024

- Study Abroad Coursework: Database Organization, User-Interface Design, Discrete Math, Computer Science Ethics

## Work Experience

### Allez Go | Atlanta, GA

August 2024 – Present

#### Cofounder

- Fencing visualization platform for tracking the movement of fencing blades in sport and TV media.
- Achieved 89% accuracy compared to the previous state-of-the-art AI models which performed at 70% accuracy.
- Developed and tested real-time software for FIE to integrate Allez Go's visualization into international fencing competitions.
- Spearheaded thousand-dollar financing of the software to be used in an upcoming TV production.

### Caterpillar, Inc. | Peoria, IL

May 2021 – August 2021

#### Software Development Internship

- Led team of interns to architect, design, and implement frontend and UI/UX of Spotter's Guide, an instructional iOS app providing details on various Caterpillar machines and engines used for mining, civil engineering, industrial applications, etc.
- Utilized native iOS Swift design platform to improve efficiency of Caterpillar's sales to small businesses.
- Organized machinery data, built app, and managed correspondence with management to deploy app to App Store.

## Projects

### SoundSocial (Swift, SwiftUI, Github, Azure, Java, Spring Boot, iOS development, Spotify API)

*Planned, designed, and coded a product of SoundSocial, a music social media iOS app at HackGT, Georgia Tech's largest hackathon*

- Created a music social media app to allow users to find music groups based on shared music taste.
- Leveraged Swift and SwiftUI to engineer and implement the application's core functionalities.
- Used the Spotify API and MusicKit to enable users to listen to song samples and create playlists with friends.

### Wireless Fencing Scoring System (C++, Circuit Theory, CAD, Arduino, System Design)

*Planned, designed, and coded a wireless scoring system for épée fencers to use in place of expensive wired ones at my fencing club.*

- Architected the enclosure, circuit, and code for the fencing scoring system.
- Utilized Arduino nanos, voltage setup converter, and REED relays to improve system latency from 1-2 seconds to <1ms.
- Saved my local fencing club \$3,000 in equipment costs and was used by over 50 fencers at to conduct fencing drills.

### Airline Management Software (SQL, MySQL Workbench, SQL schema)

*Designed and implemented an airline database management system using MySQL*

- Efficiently managed critical airline data, including flight schedules, aircraft specifications, flight routes, & airport information.
- Developed complex database relationships to simulate real-world airline operations and optimized query performance to ensure fast and accurate data retrieval.

## Skills

**Programming:** Java, Python, SQL, HTML and CSS, Swift, MATLAB, C++

**Technologies:** NumPy, Pandas, Matplotlib, JavaFX, Django, Figma, SwiftUI, Git, Azure, Docker, Jupyter Notebook

**Languages:** Fluent in English, Polish, Spanish

## Leadership

### Georgia Tech Grand Challenges Living Learning Community | Team Coach

August 2023-Present

- Led 30+ first year students in market research, and customer discovery in tackling one of the UN's 12 SDGs.
- Researched medical disparity and created a web platform prototype for connecting 1st and 3rd world medical technicians to improve healthcare in the developing world.

### Troop 40 | Eagle Scout

May 2023

- Directed 80+ scouts through managing service projects, events, and fostering teamwork through effective leadership.
- Led projects totaling 200+ service hours for the community and accumulated over 80+ service hours personally.