

# Yan Tsenter

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## EDUCATION

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### Georgia Institute of Technology

*Bachelor of Science in Computer Science - Devices/Intelligence, Minor in Aerospace Engineering*

*GPA: 3.59/4.00*

Atlanta, GA

December 2026

## LICENSES

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### FAA Private Pilot

*Airplane Single-Engine Land, VFR Rated*

Issued August 2022

## EXPERIENCE

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### Garmin Aviation

Aviation Systems Engineer Intern - Garmin HQ, KS

May 2024 - August 2024

- Defined and developed new satellite connectivity weather products for General Aviation, achieving doubled resolution and accuracy over existing products
- Developed internal software for radio frequency band identification
- Defined complex network system designs for aircraft-satellite-ground, two way communication systems
- Troubleshooting of in-production hardware and software systems. Analysis of error logs in C

### Vertical Lift Research Center of Excellence

Researcher - Georgia Tech, GA

January 2024 - January 2025

- Developed advanced algorithms and assets for helicopter simulation software in Unreal Engine using C
- Optimized performance and fidelity of simulator; new system handled 1M+ data points in real-time
- Documented simulator operation procedures for publishing in VFS journal

### Wizehire

Web Development Intern - San Francisco, CA

March 2021 - August 2021

- Designed web software streamlining hiring and recruitment for large companies (Google, LinkedIn, etc)
- Re-engineered web application for aggregation of prospective hires' data using Django
- Developed temporary PHP conversion tool used by all 40 company employees for over a year
- Collaborated on long-running database and structure transferal process from PHP to Django

## PROJECTS

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### Development of iOS Food Delivery App, Minsk, Belarus

October 2020 - January 2021

- Developed a more user-friendly alternative to existing grocery delivery apps in Belarus
- Integrated UIKit, SwiftUI, and Firebase application components using Xcode
- Leased a fork of app for use by Evroopt (edostavka.by), the largest grocery retailer in Belarus

### Employee Productivity Optimization, Lawrenceville, NJ

March 2022 - May 2022

- Completed statistical inferences comparing salary and performance data from Bristol Myers Squibb and Fulcrum Therapeutics
- Proposed improvements to company structure with potential 20% revenue increase for equal total employee compensation

## SKILLS, COURSEWORK, CLUBS

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**Programming Languages:** Java, Python, C, JavaScript, R, Mathematica, MATLAB, HTML, CSS, Swift, PHP, C++

**Tools/Frameworks:** Xcode, Django, Unreal Engine, Firebase, Render, Heroku, RStudio, SQL databases

**Coursework:** Aerodynamics, Thermodynamics, Fluid Mechanics, Object-oriented Programming, Data Structures and Algorithms, Systems & Networks, Computer Organization & Programming, Linear Algebra, Multivariable Calculus

**Languages:** English (native), Russian (native), Spanish (intermediate), Italian (intermediate)

**Clubs:** Yellow Jacket Flying Club, Yellow Jacket Aviation, DBF (Design, Build, Fly), Solar Racing