

Yan Tsenter

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EDUCATION

Georgia Institute of Technology

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

GPA: 3.54/4.00

Atlanta, GA

December 2026

SKILLS

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

Concepts: Object-oriented programming, Systems & networks, Linear algebra, Multivariable/Differential Calculus, Data structures, Computer organization & programming,

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

Certifications: FAA Private Pilot ASEL License (high-performance airplane endorsement)

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

EXPERIENCE

Aviation Systems Engineer Intern | Garmin, Olathe, 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 to satellite to ground, two way communication systems
- Resolution and troubleshooting of in-production hardware and software systems. Analysis of error logs in C

Researcher | VLRCOE, Vertical Lift Lab, Georgia Tech, GA

January 2024 - present

- Research on minimizing cognitive workload for helicopter pilots through visual, auditory, and tactile piloting aids
- Developed assets in Unreal Engine for simulation of helicopter flight scenarios using C
- Software development and debugging of immersive helicopter simulator (Flight Lab + Vision Manager + Human Factors Computation)
- Documented simulator operation procedures and optimized simulator performance by refactoring data pipelines

Web Development Intern | Wizehire, 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

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

LEADERSHIP

Flight Club Founder, Lawrenceville, NJ

August 2022 - May 2023

- Founded the first aviation-centered club at the Lawrenceville School
- Grew club membership to 18 members during the first year
- Mentored 11 members toward getting their Private Pilot's licenses