

Maxwell Smith

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EDUCATION:

Georgia Institute of Technology | Atlanta, GA **GPA: 4.0**
Bachelor of Science in Computer Science | May 2026

Stevens Institute of Technology | Hoboken, NJ **GPA: 4.0**
September 2022 - May 2023

Sidwell Friends School | Washington, DC **GPA: 3.7**
September 2018 - May 2022

LANGUAGES & SKILLS:

Languages: Java Python Javascript HTML CSS LaTeX
Frameworks & Tools: Git React Node.js Firebase Azure PyTorch TensorFlow Flask

EXPERIENCE:

HVACSee HVAC Diagnostic Smart App: **Lead Software Developer** | January 2025 - April 2025

- Developed a React Native app integrated with Azure Cosmos DB and Firebase, diagnosing HVAC system issues in real-time
- Decodes 100% of Carrier HVAC error codes and will soon support other leading brands, tracks toxic gases (CO, Methane), and measures blower motor current for proactive filter maintenance and power usage analytics

InfoSense Lab at Georgetown University: **Machine Learning Research Assistant** | May 2021 - December 2021

- Constructed and trained a machine learning model to streamline and customize the housing search process using Zillow API data
- Authored a paper alongside Professor Grace Hui Yang and groupmates detailing the efficiency trade-off that comes with model scaling

PickUp Sports: **Mobile App Developer** | June 2021 - November 2021

- Created an interactive visualization system to provide users with a map of events in their communities
- Developed a robust query system to collect and provide users with field and court locations using satellite mapping data

PROJECTS:

AI Generated Image Classification

- Built ML models achieving 85% accuracy in classifying AI-generated images by optimizing retained variance (95%) and model selection (CNN, RF, SVM).
- Integrated models into a Flask web platform, enabling user-friendly interaction and testing.

Spotify Metrics Android Application: **Lead Developer and Scrum Master** | February 2024 - May 2024

- Built a Spotify metrics app for Android devices that parsed and presented user data from the Spotify API into an elegantly designed sharable wrapped format
- Led a team of five developers as the Scrum Master by facilitating effective and efficient collaboration across the front and backend teams

RELEVANT COURSEWORK:

- Recent Coursework -

Systems and Networks \ Design & Analysis-Algorithms \ Computer Organization and Design \ Machine Learning

- Upcoming Coursework -

Networking \ Deep Learning \ Computer Vision