

Maxwell Smith

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SUMMARY:

Innovative and driven Computer Science major with 7+ years of programming experience and a record of quickly shipping user focused products. Co-founder and lead developer of an IoT startup with hands-on expertise in backend development. Experience with machine learning, mobile and web development, and cross-discipline teamwork. Ready to own end-to-end projects and deliver impact at scale.

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

LANGUAGES & SKILLS:

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

EXPERIENCE:

HVASee Smart HVAC Diagnostics: **Co-Founder and Lead Software Developer** | January 2025 - August 2025

- Self-taught React Native in four months to develop an app that diagnosed HVAC system issues in real-time using a backend built in Azure collecting and visualizing error data and efficiency metrics potentially saving customers hundreds
- Worked with an interdisciplinary team to integrate hardware and software into a final product that could diagnose 100% of error codes in leading HVAC brands and began beta testing our product in six real customer homes

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

- Worked on a team with a professor and PHD students to design and train a machine learning model that streamlined and customized the housing search process using Zillow API data matching customers to desired houses 85% of the time
- Authored a paper alongside Professor Grace Hui Yang and teammates detailing the efficiency trade-off that comes with model scaling focused on analyzing the 40% accuracy gap we discovered over changes in dataset complexity

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

- Built a solution to the real life issue of finding friends to play pickup sports games with by creating an app to provide users with a map of upcoming events in their communities
- Learned to use a robust query system to collect and provide users with field and court locations using satellite mapping data from which they could create and broadcast their own events

Jubilee Housing: **Computer Science Program Coordinator** | October 2020 - April 2021

- Organized, designed, and spearheaded a foundations level computer science program consisting of 20 lessons for young students living in the Jubilee Housing Community
- Worked closely with staff at Jubilee housing to develop and structure courses based on their feedback to effectively meet the needs of their over 50 students

PROJECTS:

AI Generated Image Classification | March 2025 - April 2025

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

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

- Led a team of five developers as the Scrum Master and facilitated effective and efficient collaboration across the front and backend teams