

Andrew Boyer

asboyer.com

EDUCATION

Georgia Institute of Technology | *Bachelor of Science in Computer Science*

Atlanta, GA

Specialties: Cyber Security and Info Internetworks | GPA: 4.0 [Major]

Grade: Junior

Key coursework: Data Structures & Algorithms, Computer Organization & Programming, Software Engineering, Systems & Networks, Database Systems, Design & Analysis of Algorithms, Object-Oriented Programming, Discrete Mathematics

PROFESSIONAL EXPERIENCE

Georgia Tech - College of Computing

Aug 2024 – Present

Academic Tutor, Student Assistant

Atlanta, GA

- Work directly with students to enhance course engagement & mastery (CS 2110, CS 2050, CS 1332).
- Lead PLUS sessions, guiding collaborative problem-solving & reinforcing lecture concepts.

Neurture

May 2024 – Aug 2024

Software Engineering Intern

Needham, MA

- Wrote 1,500+ lines of production code to grow application features including courses, payroll, & meditations.
- Integrated with code-base to add features, utilized React Native to improve UI, improved subscription processes.

theCoderSchool

Sep 2020 – Sep 2022

Trained Staff Instructor, Curriculum Developer

Sudbury, MA

- Instructed kids ages 6-15 in Python, Scratch, Bash, Java, & JavaScript. Also taught web-scraping & cryptography.
- Developed curriculum & lead sessions from 1-5 students, utilizing project & lecture-based learning.

Massachusetts General Hospital

Aug 2021 – May 2022

Student Researcher, Department of Neurology

Cambridge, MA

- Collaborated with team to develop models to accurately recommend seizure medication with patient data.
- Analyzed over 100,000 lines of text with Python programming & data analysis tools. Utilized regular expressions.

IntelyCare

Mar 2021 – Sep 2021

Data Science Intern, Quality Assurance Intern

Quincy, MA

- Analyzed 20+ customer data sets and generated 10+ plots shared company wide, using Python programming.
- Interfaced with quality assurance team, used Angular.js and Selenium to create & maintain web automation suite.

PROJECT EXPERIENCE

Spotify-Wrapped Android App | *Java, Firebase, XML, Gson, Spotify API, Git*

Mar 2024 – May 2024

- Led group in building full-stack Android app, designed async back-end architecture, conducted quality assurance.
- Utilized Firebase to store user data in the cloud, interfaced with Spotify web API to extract listening statistics.

Goat Grade | *Python, Flask, BeautifulSoup, Javascript, React, AWS, Git*

Mar 2021 – Present

- Engineered web application to scrape NBA statistics, rank players & teams. Built API to access rankings.
- 80% accuracy rate in MVP prediction, predicted 2024 NBA champion. Ranks from 1956 season to present day.

RebootHacks | *Bootstrap, jQuery, HTML/CSS, Javascript, Flask, SEO, AWS, Git*

Jan 2021 – June 2022

- Organized a virtual high school hackathon with 170+ attendance, 23 presenting projects, 7 winning teams.
- Raised over \$3,000 for the event, with publicity from [Boston Globe](#). Donated remaining funds in [charity initiative](#).

Open-Source Contributor | *Pypi, numpy, matplotlib, jekyll, liquid, Bash, Docker, Git*

Jul 2020 – Present

- Developed data science oriented open-source Python library, published & deployed on Pypi: [Reporty](#)
- Active contributor to academic portfolio template used by 200+ academics, labs, and courses: [al-folio](#)

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, HTML/CSS, MySQL, Assembly, Ruby, Scheme, Bash

Frameworks & Libraries: React, Angular, Node.js, Flask, JUnit, jQuery, Rails, MongoDB, selenium, bs4, numpy

Developer Tools: Git, Linux, Docker, Firebase, AWS, Virtual Machines, Wire-shark, VS Code, IntelliJ, JIRA, GitHub

ACHIEVEMENTS & EXTRACURRICULARS

Achievements: Eagle Scout, Dean's List, USACO Gold, Outstanding Beijing Exchange Student, picoCTF Top 50

Extracurriculars: Transfer2Tech Mentor, GreyHat, Startup Exchange Hackathons, Ramblin Roundnet