Andrew Boyer

asboyer.com

EDUCATION

Georgia Institute of Technology – College of Computing   Grade: Junior
Computer Science with specialties in Cyber Security and Info Internetworks | GPA: 4.0 [Major]   *Atlanta, GA*
Data Structures (CS 1332), Discrete Math (CS 2050), Computer Organization (CS 2110), Software Engineering (CS 2340), Linear Algebra, Systems and Networks (CS 2200), Database Systems (CS 4400), Advanced Algorithms (CS 3510)

PROFESSIONAL EXPERIENCE

Georgia Tech - College of Computing   Aug 2024 – Present
Academic Tutor, Student Assistant | Ref: Antwuan Holloway   *Atlanta, GA*
- Work directly with students to enhance course engagement and mastery (CS 2110, CS 2050, CS 1332).
- Lead PLUS sessions, guiding collaborative problem-solving and reinforcing lecture concepts.

Neurture   May 2024 – Aug 2024
Software Engineering Intern | Ref: Brady Dowling   *Needham, MA*
- Wrote 1,500+ lines of production code to grow application features including courses, paywall, and meditations.
- Integrated with codebase to add features, utilized React Native to improve UI, conducted competitive research.

theCoderschool   Sep 2020 - Aug 2022
Trained Staff Instructor, Curriculum Developer | Ref: Caroline Yee   *Sudbury, MA*
- Instructed kids ages 6-15 in Python, Scratch, Bash, Java, and JavaScript.
- Developed curriculum and lead sessions from 1-5 students, utilizing project and lecture-based learning.

Massachusetts General Hospital   Aug 2021 - May 2022
Student Researcher, Department of Neurology | Ref: Marta Bento Fernandes, PhD   *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 and data analysis tools.

IntelyCare   Mar 2021 - Sep 2021
Data Science Intern, Product, Quality Assurance | Ref: Ben Tengelsen, PhD   *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 and maintain web automation suite.

PROJECT EXPERIENCE

Spotify-Wrapped Android App   Mar 2024 – May 2024
- Led CS 2340 group in building Android app, assigned tasks, conducted quality assurance, and designed system.
- Utilized Firebase to store user data in the cloud, interfaced with Spotify web API to extract listening statistics.

Goat Grade   Mar 2021 - Present
- Engineered data science web application to scrape basketball statistics and rank NBA players.
- 80% accuracy rate in MVP prediction, powered by autonomous Python backend and a React frontend.

RebootHacks   Jan 2021 - Apr 2021
- Organized a virtual high school hackathon with 170+ attendance, 23 presenting projects, 7 winning teams.
- Raised over $3,000 for prizes and swag, receiving publicity from Boston Globe and other local publications.

Open-Source Contributor   Jul 2020 - Present
- Developed data science oriented open-source Python library, published and deployed on Pypi: Reporty
- Contributor to academic portfolio template used by 200+ academics, labs, and courses: al-folio

SPECIALIZED SKILLS AND ACHIEVEMENTS

Technologies: Python, Java, C/C++, JavaScript, HTML/CSS, Typescript, SQL, React, Ruby, Scheme, LC3-assembly
Tools: Git, Linux, Bash, AWS, Jupyter, Virtual Machines, Latex, jQuery, API, React Native, flask, MongoDB, Rails
Achievements: Eagle Scout, USACO Gold, Outstanding Beijing Exchange Student, Dean's List, High Honor Roll
Extracurriculars: Transfer2Tech Mentor, GreyHat, Buzz Studios, Ramblin Roundnet, GTC, Startup Exchange