Alex Salontai

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Education

Georgia Institute of Technology, College of Computing   **Atlanta, GA**
Bachelor of Science Computer Science   January 2024 - Present
- Clubs: Startup Exchange
- Relevant Coursework: Computer Organization & Programming, Objects and Design, Data Structures and Algorithms

Georgia State University, College of Arts and Sciences   **Atlanta, GA**
Bachelor of Computer Science   August 2022 - December 2023
- Dean's List, Honors College, GPA: 4.28
- Clubs: Cyber Security Club, Programming Club
- Relevant Coursework: Linear Algebra, Integral and Differential Calculus, Object Oriented Programming, Multivariable Calculus

Experience

HeadStarter   **Atlanta, GA**
SWE Fellow   July 2024 - Present
- Software Engineering Fellowship, led by Yasin Eshan and Faizan Ahmed, focused on developing five AI projects over five weeks and achieving 1,000 users in the final two weeks with activities including projects, interview prep, team projects, meetups, hackathons, and speaker panels
- Roadmap emphasizes front-end skills with React, back-end skills with databases, deployment with AWS, APIs like Stripe, and AI with OpenAI, along with soft skills such as networking and communication

Parzr   **Atlanta, GA**
Web Developer Apprentice   October 2023 - Present
- Working under Parzr with Andres Avendano to learn front-end technologies to begin development of a platform for a local airport
- Started with the basics of HTML, CSS, and JavaScript, then progressed to Babel, ES6, Node.js, React, and Vite

Georgia State Undergraduate Assistantship (UAP)   **Atlanta, GA**
Undergraduate Assistant for Research   January 2023 - December 2024
- Participated in the Honors Program at Georgia State through the Undergraduate Assistantship Program, working under Dr. Esra Akbas
- The role involved researching machine learning algorithms for detecting malware in Android applications where research was published in a paper authored by Dr. Akbas and a few others.
- Developed algorithms using popular models such as SVM and Random Forest.

Technical Skills & Languages

- **Programming languages**: HTML | CSS | Javascript | Python | Java | C# | SQL | R | Git | C
- **Frameworks / Libraries**: Angular | React | Node.js | Scikit-Learn | Firebase | AI: Google Gemini | Flask
- **Programs**: Adobe Creative Cloud Suite | Adobe Photoshop | Microsoft Office | Microsoft Excel | Microsoft PowerPoint | Auto-CAD | Inventor | Unity | Autopsy | Visual Studio Code | Google Colab | Android Studio | Github | APIs | AWS
- **Languages**: English | Romanian | Spanish

Projects

Flavor Finder   **Atlanta, GA**
Hackytics Hackathon   February 2024
- Developed a Full-Stack Web Application at Hacklytics 2024 where users attach a photo of their pantry/fridge and the application recommends a recipe based on the ingredients in the photo
- Follows a pipeline architecture from user input on frontend to Firebase Storage to backend of generative AI models to Firebase Real-time Database to the frontend to display results
- Technologies: React + CSS, Flask + Python AI API such as Google Gemini Vision and Nous-Hermes-Llama2-13B, Firebase Storage + Firebase Real-Time Database, and AWS for deployment

Machine Learning App Detection   **Atlanta, GA**
Georgia State Undergraduate Assistantship   January 2023 - December 2023
- Collaborated with Dr. Akbas to develop four distinct machine learning algorithms using data from Android apps, including content, descriptions, permissions, and keywords with results featured in a Georgia State research paper
- Employed various vector representations such as keyword arrays, Doc2Vec text embeddings, Node2Vec graph embeddings, and app permissions keywords
- Technologies: Python, Pandas, Numpy, & Scikit-Learn

Gymnast Jump   **Lawrenceville, GA**
Game Design at Gwinnett School of Mathematics, Science, and Technology   November 2021 - December 2021
- Developed a Unity game in a team setting, inspired by Doodle Jump. The game features diverse platforms, power-ups, collectible coins, and multiple levels
- Technologies: Unity Game Development Platform and C#

Certifications/Exams

- Cybercrime Specialist Certificate at Gwinnett Technical College   July 2023
- GREC Real Estate License   August 2022
- Unity Certified Associate: Game Developer   May 2022