

# Carter Cote

Portfolio: [cartercote.com](https://cartercote.com)  
Github: [github.com/cartercote](https://github.com/cartercote)

Email: [ccote9@gatech.edu](mailto:ccote9@gatech.edu)  
Mobile: +1 661-673-3154

## EDUCATION

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- **Georgia Institute of Technology** Atlanta, GA  
*B.S in Computer Science (GPA: 3.7)* Aug 2020 - Dec. 2023  
*Concentrations: Artificial Intelligence, Human-Computer Interaction*  
*Courses: Computer Organization, Data Structures & Algorithms, Design & Analysis of Algorithms, Robotics & Perception, Database Systems, Automata & Complexity, Machine Learning, Objects & Design, Computer Vision, Artificial Intelligence*

## EXPERIENCE

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- **JPMorgan Chase & Co.** New York, NY  
*Software Engineer Intern · Corporate Client Banking* June 2023 - Aug. 2023
  - **AI-Driven Audio-Visual Testing:** Used PyTorch & Transformers to train neural networks that detect advisor and client faces and voices in virtual meeting footage for 200M+ monthly users across different browsers and devices, reducing manual testing by 90%.
  - **LLM Summarization Tool:** Used LLaMA-2 to generate intelligent summaries of bank-customer meeting transcripts obtained via Zoom SDK; fine-tuned model on financial corpus to identify action items from summaries. Submitted to DEVUP Texas.
  - **Production ML Inference API:** Used Flask & Python to build an API with endpoints that support high-volume data for training & serving classification models for various data types.
- **JPMorgan Chase & Co.** New York, NY  
*Software Engineer Intern · Asset & Wealth Management* June 2022 - Aug. 2022
  - **CapEx:** Increased adoption of internal resiliency tool by 14% and lowered capital expenditure for Asset and Wealth Management by implementing automation system for executing tasks on-demand.
  - **API System:** Used Spring Boot (Java), SQL, OpenAPI, Apache Maven to build fully integrated, end-to-end pipeline that allows internal application owners to create, modify, & execute scalable resiliency tasks at user discretion.
  - **User Interface:** Built client-facing UI for automated task system used by 5000+ developers by working closely with Product Manager, UX Designer, and Software Dev Manager.
- **Georgia Tech Research Institute** Atlanta, GA  
*Software Engineer · Prof. Duen Horng Chau* Aug. 2021 - Dec. 2021
  - **Argo Scholar:** Used React, MobX, and Strapi to visualize a literature network of papers (nodes) and citations (edges) around an article in effort to offer easy exploration of scholarly literature. Published by IEEE VIS 2021.

## PROJECTS

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- **Career Exploration App:** Used React, Next.js, and SQL to build web app that enables first-generation college applicants to explore 250+ career pathways that were otherwise inaccessible. 10,000+ users.
- **Object Detection & Path Planning:** Implemented a neural network to classify Japanese calligraphy characters. Utilized to model motion for a differential drive robot to move around an environment via Rapidly-Exploring Random Trees (RRT) path planning. Tech: Python, NumPy, Torch, MatPlot (Mar. '22)
- **HackGT Website:** Built internal web app for judges and sponsors to evaluate projects submitted to HackGT, the largest hackathon in the south (1500+ participants). Tech: React, Next.js, Postgres (Sep '21)
- **Six Feet Supplies (Web App):** Web app connecting at-risk individuals in need of urgent supplies with community volunteers at peak of COVID-19. Featured on CNN, LA Times. 20,000+ users, 500+ deliveries. Tech: React, MongoDB, Node (2020).

## SKILLS

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- **Languages:** Java, Python, SQL, TypeScript, JavaScript, C (Proficient)
- **Tools:** React, Angular, PyTorch, NumPy, TensorFlow, AWS Lambda, OpenAPI, Docker, Spinnaker, Keras, Spring
- **Product:** UX/UI Design, Agile Development, Project Management, Prototyping, Needfinding, Wireframing

## LEADERSHIP EXPERIENCE

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- **Startup Exchange** Atlanta, GA  
*Executive Director* Nov 2022 - Present
  - **Growth:** Built the largest intercollegiate community for builders, leading to \$200,000+ in sponsorships, 1500+ new members nationwide, 4000+ attendees within 12 months. \$4B+ evaluation spanning across all alumni companies.
  - **Large-Scale Events:** Led 7 cross-functional teams with 10+ members each, working with design, engineering, & logistical departments to host pitch competitions, career fairs, and corporate-partnered AI, Web3, & XR hackathons.

## CERTIFICATIONS AND AWARDS

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- **Kleiner Perkins Fellow Finalist - May, 2023:** Finalist for fellowship offering mentorship in VC & entrepreneurship.
- **Banatao Family First-Generation Filipino STEM Scholar - April, 2020:** 1 of 6 scholars for \$20,000 scholarship.