

Carter Cote

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EDUCATION

- **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, Objects & Design, Human-Computer Interaction, Artificial Intelligence, Cognitive Science

EXPERIENCE

- **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:** Used Spring Boot (Java) and Angular (TypeScript) to build a new feature with a user-centric UI allowing for the automation of resiliency failovers for hygiene tasks.
- **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.
- **Georgia Tech HexLabs** Atlanta, GA
Software Engineer · Internal Tool Development Mar. 2021 - Oct. 2021
 - **Judging Site:** Used React, Postgres, and Node.js to build internal web app for judges and sponsors to evaluate projects submitted to HackGT, the largest hackathon in the south (1500+ participants).
 - **Component Library:** Used Web Components, Stencil.JS, and the MERN Stack to develop a component library to reflect newly defined brand identity guidelines.

PROJECTS

- **Object Detection & Path Planning (Neural Network):** 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)
- **ICP-Based Pose-Graph SLAM (Point Cloud Visualization):** Implemented the Iterative Closest Points (ICP) algorithm to perform simultaneous localization mapping (SLAM) on LIDAR scans from the Argo AI dataset in order to simulate a self-driving car. Tech: Python, Scikit-Learn, Pandas. (Mar. '22)
- **Pathway.me (Web App):** Web app that uses Web3 and storytelling in order to make career pathway exploration accessible and engaging to high schoolers everywhere. 3100+ users, 150+ user interviews. Tech: React, Next.js, MongoDB (May '20)
- **Six Feet Supplies (Web App):** Web app connecting at-risk individuals in need of groceries with community volunteers in response to COVID-19. Featured on CNN, LA Times. 17,000+ visitors, 500+ deliveries. Tech: React, MongoDB, Node (2020).

SKILLS

- **Languages:** Java, Python, TypeScript, JavaScript, SQL, C (Proficient)
- **Tools:** TensorFlow, Angular, React, OpenAPI, Keras, NumPy, SpringBoot, Express, NodeJS, GIT
- **Product:** Visual Design, UX/UI Design, Design Thinking, Wireframing, Prototyping, Needfinding, Usability Testing

LEADERSHIP EXPERIENCE

- **Georgia Tech Startup Exchange** Atlanta, GA
Executive Director of Strategic Initiatives Nov 2022 - Present
 - **Large-Scale Events:** Oversees 48 people in three committees that organize large-scale events with consistently 400+ in attendance, incl. a startup conference, a nationwide pitch competition, and a corporate-sponsored VR hackathon.
 - **Leadership:** Growing Georgia Tech's largest entrepreneurial network through strategic initiatives that build our network of VCs, student entrepreneurs, and expert mentors. \$4B+ evaluation spanning across all alumni companies.

CERTIFICATIONS AND AWARDS

- **Top Emerging Talent at Pangea.app - August, 2021:** Selected as one of 150 candidates for Pangea.app's Top Emerging Talent fellowship, which identifies the most capable, reliable, and motivated US college students for freelance positions.
- **Banatao Family Filipino American Scholar - April, 2020 :** Selected as one of 7 candidates state-wide for a \$20,000 academic scholarship that supports underrepresented Filipino-American students pursuing a degree in STEM.