

Carter Cote

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
B.S in Computer Science (Major GPA: 3.8) Aug 2020 - June 2023
Concentrations: Artificial Intelligence, Human Computer Interaction
Courses: Computer Organization, Data Structures & Algorithms, Objects & Design, Human Computer Interaction, Artificial Intelligence, Design & Analysis of Algorithms, Robotics & Perception, Database Systems

SKILLS

- **Languages:** Python, Java, JavaScript, C (Proficient), HTML, CSS
- **Tools:** TensorFlow, Keras, NumPy, Pandas, React, D3 (Proficient), NodeJS, Express, MongoDB, Docker, GIT
- **Design:** Visual Design, UX/UI Design, Design Thinking, Wireframing, Prototyping, Usability Testing

EXPERIENCE

- **Georgia Tech Research Institute** Atlanta, GA
Graph Visualization Researcher · Prof. Duen Horng Chau Aug 2021 - Present
 - **Argo Scholar:** Used React, MobX, and Strapi to contribute to the development of a tool that visualizes a literature network of papers (nodes) and citations (edges) around an article. Published by IEEE VIS 2021.
- **HexLabs Inc.** Atlanta, GA
Full Stack Developer · Software Development Jan. 2021 - Present
 - **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

- **Classify Radio Signals from Space using Keras (Artificial Intelligence, Web Development):** (Work in progress)
Built and trained convolutional neural network to classify radio signals from space, using Keras and TensorFlow to classify 2D spectrograms of deep space radio signals. Tech: Python, Keras, TensorFlow (July '21)
- **Predicting Sales Revenue Based on Advertising Spending (Linear Regression, Data Visualization):** Built linear regression model to predict sales revenue based on advertising spending. Tech: Python, Scikit-Learn, Pandas. (July '21)
- **Helping Hand Career Exploration Platform (Web Development):** Web app that democratizes access to career exploration resources. Curated site content in coordination with alma mater HS and developed user case study to create a thoughtful, user-friendly experience. Tech: React, Next.js, MongoDB (May '20)
- **Six Feet Supplies (Web Development):** Web app that connects at-risk individuals in need of groceries with community volunteers in response to COVID-19 pandemic. Featured on CNN, LA Times. 17,000+ visitors and 500+ deliveries. Tech: React, MongoDB, Node.js (March '20)

CERTIFICATIONS AND AWARDS

- **JPMorgan Virtual Software Engineering Experience Participant - August, 2021:** Used Python, React, TypeScript to develop interface that visualizes stock price data feed for traders. Part of JP Morgan Campus Recruitment Program.
- **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.
- **Eagle Scout Award - September, 2018:** Recipient of the most prestigious award in Scouting, recognizing prominent leadership and character within the community. Earned by 7% of all Boy Scouts.

LEADERSHIP EXPERIENCE

- **Startup Exchange** Atlanta, GA
Executive Board Member Jan 2021 - Present
 - **UX Design:** Designed new website UI, created new user flows, and modified site's information architecture based on pain points identified via user input and framework synthesis. Improved event attendance by 30%.
 - **Visual Design:** Redefined brand identity guidelines, as well as organization's objectives. Used Adobe Photoshop to redesign event graphics and brand materials. Managed all social media channels to promote events.
- **Academy of the Canyons** Santa Clarita, CA
College & Career Readiness Program Manager Nov 2019 - Mar 2021
 - **Site Development:** Developed extensive web app that outlines 42+ career pathways and 150+ alumni success stories, drawing 1400+ visitors in month following launch. Used participant input to develop and iterate the site.
 - **Curriculum Development:** Curated elective class that hosts prominent guests to educate students about networking and career exploration, designing student sub-teams to complete specific tasks, and collaborating with school admin. to develop curriculum over the course of a year.