

# Stanley Wong

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## EDUCATION:

<b>Georgia Institute of Technology</b> – College of Computing	<b>Atlanta, Georgia</b>
<i>M.S in Computer Science – Concentration: Machine Learning, GPA: 4.0/4.0</i>	<i>Jan. 2024 – Dec. 2025</i>
<ul style="list-style-type: none"><li>Relevant Coursework: Machine Learning, Computer Vision, Game Artificial Intelligence, Database Systems, Robotics &amp; Perception</li></ul>	
<i>B.S in Computer Science – Concentration: Intelligence &amp; People, GPA: 4.0/4.0</i>	<i>Aug. 2021 – May 2024</i>
<ul style="list-style-type: none"><li>Relevant Coursework: Object-Oriented Programming, Data Structures &amp; Design/Analysis of Algorithms, Artificial Intelligence, NLP</li></ul>	
<b>Universitat Politècnica de Catalunya (UPC) – Barcelona Tech   Study Abroad</b>	<b>Barcelona, Spain</b>
<i>GPA: 4.0/4.0</i>	<i>May 2022 – Aug. 2022</i>

## SKILLS:

**Programming Languages:** Python, Java, C++, JavaScript, C#, C, Typescript, HTML/CSS, SQL, Swift, Kotlin, GraphQL, R, Ruby  
**Frameworks & Libraries:** React, Node.js, Express.js, Django, REST API, FastAPI, Nest.js, Next.js, Tensorflow, PyTorch, Keras, Pandas  
**Developer Tools:** Google Cloud Platform, AWS, Microsoft Azure, Firebase, MySQL, Postman, Docker, MongoDB, Jira, Git, GitHub, Gitlab

## EXPERIENCE:

<b>NASA – AI/ML Intern   Python, JavaScript, OpenAI, JSON, LangChain, Giskard</b>	<i>Jun. 2024 – Aug 2024</i>
<ul style="list-style-type: none"><li>Advised NASA scientists on selecting and optimizing LLM models to handle natural language queries between researchers and Prithvi, a massive foundation model trained on over 40 years of weather and climate data</li><li>Led the design and implementation of two potential NLP agents, Single Chain and ReAct Agent, using Python, LangChain, and JavaScript</li><li>Boosted overall agent accuracy by 18% and reduced completion time by 8% through iterative instruction modifications and red teaming</li><li>Tested and refined over 250 prompts, creating a robust interface for thousands of researchers and setting a precedent for future AI at NASA</li></ul>	
<b>Hyperion Industries Startup – Full Stack Engineer Intern   Python, React, AWS, TypeScript, Django, SQL</b>	<i>Jan. 2024 – May 2024</i>
<ul style="list-style-type: none"><li>Developed user interface of co-pilot procurement software using React and backend structure by engineering API's using Django and SQL</li><li>Streamlined supplier orders with AWS SES and S3 to automate emailing, slashing daily operational time by &gt;25% and &gt;2400 hours annually</li><li>Collaborated closely with a small team, the software development of our app valued at approximately \$40,000 by a potential customer</li><li>Built Python web scraper scripts to collect data on over 30,000 supplier companies across 15+ different websites using Selenium</li></ul>	
<b>Spectrum (Charter Communications) – Software Engineer Intern   React, GraphQL, REST API, Agile</b>	<i>May 2023 – Aug. 2023</i>
<ul style="list-style-type: none"><li>Streamed usage data from customer-facing applications into Charter's A/B experimentation platform by using Axios and GraphQL requests</li><li>Reduced data update time from 24 hours to real-time monitoring for over 1500 users, employing Nest.js to link request responses to UI</li><li>Patched front-end issues within Charter's experimentation software through React.js hooks with Typescript and Node.js</li><li>Constructed a solution with a team of 9 for a company-wide hackathon to help Spectrum close the digital divide in rural areas</li></ul>	

## PROJECTS:

<b>Ceptron – Project Lead   Electron.js, HTML/CSS, Google Cloud Platform, Firebase   HackGT 9</b>	<i>Oct. 2022</i>
<ul style="list-style-type: none"><li>Directed a team of four in creating a machine-learning-based virtual assistant hub for technologically illiterate users</li><li>Leveraged Stable Diffusion and sumy models to compose commands that generated images from text and summarized content in a URL</li><li>Applied GPT-3 AI models and algorithms to generate natural responses to a prompt and integrated auto-completion features</li><li>Built frontend using Electron, deployed and routed our application through Cloud Run, Compute Engine, and Firebase Hosting</li></ul>	
<b>BeSpoked Wheels – Full Stack Developer   React.js, Node.js, Express.js, MySQL, Axios, C++</b>	<i>Aug. 2022 – Dec. 2022</i>
<ul style="list-style-type: none"><li>Implemented a sales-tracking web application in that allows users to edit or add to a company's assets and calculates a quarterly commission report for each salesperson</li><li>Incorporated MySQL backend and employed Axios to send HTTP requests to REST endpoints in an Express.js server</li></ul>	
<b>Connect @ GT – Web Developer   React.js, Node.js, Tailwind CSS, Next.js, Express.js   GT WebDev</b>	<i>Sep. 2022 - Dec. 2022</i>
<ul style="list-style-type: none"><li>Created a web application that features a 3D-rendered model of the GT campus with interactive markers and map movement</li><li>Displayed bus routes and student hotspots by fetching data from the TransLoc API and GT Places API</li><li>Generated pop-up modal windows for each major location to display student opportunities to connect with other students</li><li>Built and customized the site structure on React.js to create an architectural skeleton and component blueprint for other subteams</li></ul>	
<b>EduVR – Lead IOS Developer   Python, C#, Swift, Unity, ARKit, openCV   ImmerseGT</b>	<i>Mar. 2023</i>
<ul style="list-style-type: none"><li>Built mixed-reality app that allows young students to physically interact with a virtual learning environment to teach STEM concepts</li><li>Utilized openCV and Python integrated with Unity to allow hand tracking through single POV computer vision from a webcam</li><li>Developed the augmented reality feature with Swift and ARKit to have virtual objects present in the real world through an iPhone</li></ul>	