

Gary Peng

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Education	Georgia Institute of Technology <i>BS, Computer Science, GPA 4.0/4.0</i> Relevant Courses: Object-Oriented Programming • Data Structures & Algorithms • Objects and Design • Computer Organization & Programming • Design & Analysis of Algorithms • Systems & Networks • Intro to AI • Applied Combinatorics • Discrete Math • Linear Algebra • Multivariable Calculus	2020 – 2023 <i>Atlanta, GA</i>
Experience	NCR Corporation <i>Software Engineering Intern</i> <ul style="list-style-type: none">Built a cloud-native Chaos Engineering command-line tool (Golang, Kubernetes API) and a dashboard (React.js) to assist site reliability engineers in uncovering weaknesses in applications and cloud infrastructures.Utilized the tool to run Chaos Experiments on NCR's Azure Kubernetes clusters. Identified a dozen weaknesses and targets for improvement.Top 10% at the corporate-wide global hackathon. Built a full-stack application using Flutter, Node.js, Express, Firebase, and various NCR APIs. Leonardo DRS Daylight Solutions <i>Intern</i> <ul style="list-style-type: none">Engineered a laser spectroscopy system to identify the molecular makeup of gas samples.Developed a Python program to automate laser control, process data from sensors, and graph absorbance features.Wrote C++ firmware for microcontrollers.	May 2021 – August 2021 <i>Atlanta, GA (remote)</i> August 2019 - January 2020 <i>San Diego, CA</i>
Skills	Programming Languages: JavaScript, Java, Python, C/C++, Golang Frameworks/Libraries: React, Node.js, Express, Flask, Android Studio, MongoDB, SQL Technologies: Kubernetes, Docker, Azure, Google Cloud, Linux Other: 3D printing, CAD, PCB design, soldering, Mandarin (fluent)	
Projects	<u>oncoIQ</u> Using AI image recognition to help pathologists make diagnoses. <u>Grocery Grab</u> Reimagining retail shopping with pathfinding, mobile checkout, and Augmented Reality in the COVID era. A mobile app that minimizes interpersonal contact and time in store, ensuring more safe customers. <u>Georgia Tech Meal Planner</u> An app that helps Georgia Tech students make weekly dining hall meal plans based on fitness goals and dietary restrictions.	<i>Python, JavaScript / React, Flask, SQL, Redis, FastAI, PyTorch, Docker</i> <i>Java / Android Studio, ARCore, NCR APIs</i> <i>JavaScript / React, Node.js, Express</i>
Leadership/ Activities	Startup Exchange <i>Executive Team</i> <ul style="list-style-type: none">The largest student-led entrepreneurial community at Georgia TechResponsible for reaching out to individuals in the venture capital and startup space to build beneficial relationships. HexLabs (formerly HackGT) <i>Tech Team Software Developer</i> <ul style="list-style-type: none">Organize large and small scale hackathons for college and high school students, such as the largest hackathon in the Southeast — HackGT (1000+ participants).Developing the team formation platform (TypeScript, React, Node.js, Express, MongoDB, GraphQL).	January 2021 - Present <i>Atlanta, GA</i> May 2021 - Present <i>Atlanta, GA</i>
Awards	1 st Place at HackGT 7 Emory University & Georgia Tech Hack COVID-19 Finalist Hackaday Prize Best Benchmark (\$10,000) SeaWorld & Busch Gardens Youth Entrepreneurial Award	