

# Gary Peng

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## EDUCATION

### Georgia Institute of Technology

2020 - 2023

B.S. in Computer Science, GPA: 4.0, *Concentrations in Intelligence and Information Internetworks*

#### Relevant Courses:

Data Structures & Algorithms • Design & Analysis of Algorithms • Intro to Artificial Intelligence • Object-Oriented Programming • Objects & Design • Systems & Networks • Applied Combinatorics • Discrete Math • Linear Algebra • Multivariable Calculus

## SKILLS

**Languages:** JavaScript, Java, Python, C/C++, Golang

**Frameworks/Libraries:** React, Node.js, Express, Flask, MongoDB, SQL, Android Studio

**Technologies:** Kubernetes, Docker, Azure, Google Cloud, Linux

**Other:** 3D printing, CAD, PCB design, soldering, Mandarin (fluent)

## EXPERIENCE

### NCR Corporation

May 2021 - August 2021

*Software Engineering Intern*

Atlanta, GA (remote)

- Developed a cloud-native Chaos Engineering tool (Golang, Kubernetes API) and a dashboard (React.js, Prometheus) 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 Docker. Integrated various NCR APIs.

### Leonardo DRS Daylight Solutions

August 2019 - January 2020

*Intern*

San Diego, CA

- 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.

## LEADERSHIP/ACTIVITIES

### Startup Exchange

January 2021 - Present

*Executive Board*

Atlanta, GA

- The largest student-led entrepreneurial community at Georgia Tech.
- Responsible for reaching out to individuals in the venture capital and startup space to build beneficial relationships.

### HexLabs (formerly HackGT)

May 2021 - Present

*Tech Team Software Developer*

Atlanta, GA

- 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 using TypeScript, React, Node.js, Express, MongoDB, and GraphQL.

## PROJECTS

### oncoIQ (Python, JavaScript)

<https://oncoiq.io/>

- Using AI image recognition to help pathologists make diagnoses.
- Full-stack web app built with React, Flask, SQL database, and Redis. Containerized with Docker.
- Convolutional Neural Network model trained with FastAI (PyTorch).

### Georgia Tech Meal Planner (JavaScript)

<https://git.io/Ju4h8>

- An app that helps Georgia Tech students make weekly dining hall meal plans based on fitness goals and dietary restrictions.
- Utilized React for frontend and Express/Node.js for backend server and web scraper.

### Grocery Grab (Java)

<https://git.io/Ju4hP>

- 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.
- Built with Android Studio, ARCore, and various NCR APIs.

## AWARDS

1st Place at HackGT 7

Hackaday Prize Best Benchmark (\$10,000)

Emory University & Georgia Tech Hack COVID-19 Finalist

SeaWorld & Busch Gardens Youth Entrepreneurial Award