

# 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

## EXPERIENCE

### NCR Corporation

May 2021 - August 2021

*Software Engineering Intern*

Atlanta, GA (remote)

- Developed a cloud-native Chaos Engineering tool with Golang and Kubernetes API to uncover weaknesses in applications and cloud infrastructures.
- Built a React.js dashboard to display Chaos Experiment results and Kubernetes metrics queried from Prometheus.
- Identified 10+ weaknesses in NCR's Azure Kubernetes clusters using the developed tools.
- Top 10% at the corporate-wide global hackathon. Built backend for a mobile application using Express/Node.js and Firebase. Integrated various NCR APIs. Containerized with Docker and deployed to Google Cloud.

### 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 South--HackGT (1500+ participants).
- Developing the team formation platform using TypeScript, React, Express/Node.js, MongoDB, and GraphQL. Used by hundreds of participants across HexLabs events.

## PROJECTS

### oncoIQ (Fullstack, Machine Learning)

<https://oncoiq.io/>

- A platform that leverages machine learning and crowdsourcing to help pathologists make diagnoses.
- Developed a React.js app for frontend. Utilized Flask, SQL database, and Redis for backend. Containerized with Docker.
- Trained a Convolutional Neural Network for breast cancer classification with FastAI (PyTorch). Achieved 89% Accuracy.

### Chore Bot (Backend)

<https://git.io/JzDng>

- A chatbot that automatically assigns chores to roommates and sends reminders.
- Built API and services for chatbot with Express in Node.js. Utilized MongoDB for database.

### NFT Highlights (Blockchain, Frontend)

<https://git.io/JzDn6>

- Developed a Chrome extension that allows content creators to sell NFTs of livestream clips and viewers to buy them.
- Built frontend with React.js. Interfaced with the Stellar network and blockchain to get account balances, create transactions, and mint NFTs.

## 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