

Gary Peng

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EDUCATION

Georgia Institute of Technology

B.S. in Computer Science, GPA: 4.0

M.S. in Computer Science

August 2020 - December 2022

December 2022 - December 2023

Relevant Courses:

Data Structures & Algorithms • Design & Analysis of Algorithms • Artificial Intelligence • Machine Learning • Computer Vision • Database Systems • Computer Systems & Networks • Combinatorics • Discrete Math • Linear Algebra • Multivariable Calculus

EXPERIENCE

Meta (formerly Facebook)

Software Engineering Intern

May 2022 - August 2022

New York, NY

- Built the early access feature for Bulletin--Meta's platform for independent writers--to help hundreds of creators with earning revenue and bring new experiences to 260k+ readers.
- Built the feature end-to-end (full-stack using React.js, GraphQL, and Hacklang/PHP), which includes new creator publish flow, reader experience, and email notification pipeline.
- Uncovered and fixed a preexisting production bug in the app that caused creator to unintentionally expose premium content.

NCR Corporation

Software Engineering Intern

May 2021 - August 2021

Atlanta, GA (remote)

- Developed a cloud-native Chaos Engineering tool with Golang and Kubernetes. Uncovered 10+ weaknesses in NCR's online ordering cloud infrastructure.
- Set up CI/CD pipeline to automate chaos experiments and tests.
- Finalist in the corporate-wide global hackathon. Built backend for a mobile ordering application using Express/Node.js, Firebase, and Docker. Integrated various NCR APIs.

HexLabs (formerly HackGT)

Software Developer

May 2021 - Present

Atlanta, GA

- Develop and maintain the team formation platform using TypeScript, React, Express/Node.js, MongoDB, and GraphQL. Used by 1500+ hackathon participants across HexLabs events to find teammates.

Leonardo DRS Daylight Solutions

Intern

August 2019 - January 2020

San Diego, CA

- Engineered a laser spectroscopy system to identify the molecular makeup of gas samples.
- Developed Python script and C++ firmware to automate laser control, process data from sensors, and graph absorbance features.

PROJECTS

OncolIQ (Full-stack, Machine Learning)

<https://oncoiq.io>

- A platform that leverages machine learning and social networking to help pathologists make diagnoses.
- Developed a React.js app for frontend. Built API and backend services with Flask, SQL database, Redis, and Docker.
- Trained a Convolutional Neural Network for breast cancer classification with FastAI (PyTorch). Achieved 90% Accuracy.

NFT Highlights (Blockchain)

<https://github.com/smithbois/NFT-Highlights>

- Developed a Chrome extension for a multiplatform NFT marketplace.
- Allows content creators to sell NFTs of livestream clips and viewers to buy/trade them.
- Built frontend with React.js. Interfaced with the Stellar network and blockchain to fetch account info, create transactions, and mint NFTs.

LEADERSHIP

Startup Exchange

Executive Board

January 2021 - August 2022

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.

SKILLS

Languages: JavaScript, Java, Python, PHP/Hacklang, C, C++, Golang, Solidity

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

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

AWARDS

1st Place in HackGT 7 • Hackaday Prize Best Benchmark (\$10,000) • Emory University & Georgia Tech Hack COVID-19 Top 10 • SeaWorld & Busch Gardens Youth Entrepreneurial Award