Gary Peng

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EDUCATION

Georgia Institute of Technology
B.S. in Computer Science, GPA: 4.0 — August 2020 - December 2022
M.S. in Computer Science — January 2023 - December 2023

Relevant Courses:
Graduate Algorithms • Design & Analysis of Algorithms • High-Performance/Parallel Computing • Machine Learning • Computer Vision • Computer Systems & Networks • Database Systems • Information Security

EXPERIENCE

Meta (formerly Facebook) — May 2022 - August 2022
Software Engineering Intern — 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 ~1 million 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 — May 2021 - August 2021
Software Engineering Intern — 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) — May 2021 - Present
Software Developer — 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 — August 2019 - January 2020
Intern — 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

OncoIQ (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.

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

LEADERSHIP

Startup Exchange — January 2021 - August 2022
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.

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