Gary Peng

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EDUCATION

Georgia Institute of Technology   August 2020 - December 2023
B.S. in Computer Science, GPA: 4.0, *Concentrations in Intelligence and Information Internetworks*
M.S. in Computer Science (starting January 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

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

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 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.

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 applications and cloud infrastructures.
- Setup 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.

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 script to automate laser control, process data from sensors, and graph absorbance features.
- Wrote C++ firmware for sensor microcontrollers.

LEADERSHIP/ACTIVITIES

HexLabs (formerly HackGT)   May 2021 - Present
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).
- Develop and maintain the team formation platform using TypeScript, React, Express/Node.js, MongoDB, and GraphQL. Used by hundreds of participants across HexLabs events.

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.

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, and Redis. Containerized with 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.

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