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 AI
- Object-Oriented Programming
- Objects & Design
- Computer Organization & Programing
- 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)

AWARDS

1st Place at HackGT 7

Emory University & Georgia Tech Hack COVID-19 Finalist

Hackaday Prize Best Benchmark ($10,000)

SeaWorld & Busch Gardens Youth Entrepreneurial Award

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.