

# George Ye

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## Education

**Georgia Institute of Technology | BS/MS in Computer Science**

GPA: 3.94/4.0

College of Computing

Atlanta, Georgia

- BS Expected: 2022
- MS Expected: 2023

## Skills

**Languages:** Java, , Python, JavaScript, NodeJS, Typescript, C, HTML5, CSS

**Proficiencies:** AWS Services, React, Material UI, MySQL, MongoDB, Git, Docker

**Certifications:** AWS Certified Cloud Practitioner

**Concepts:** Object Oriented Programming/Design, Algorithm Design/Analysis, Data Structures, Artificial Intelligence, Machine Learning, Genetic Programming, Full Stack Development

## Work Experience

**Amazon Software Engineer Intern**

June 2021 – September 2021

AWS FinTech

Atlanta, GA (Remote)

- Build a DevOps SKU cleanup utility to cleanup 120 million+ SKU data from the entire system.
- Utilize AWS services such as Lambda, Step Function, DynamoDB, S3, Event Bridge, and CloudTrail.
- Plan and create a low-level design document working backwards from the customer's perspective.
- Test all code with mock unit testing, integration testing, and embedded testing.
- Collaborate with full SDEs on extensive code reviews and project design.
- Present finished and working utility demo to AWS FinTech executives.

**GTRI Full Stack Developer Intern**

May 2020 – December 2020

Cipher Laboratory

Atlanta, GA (Remote)

- Built inventory management app for business operations team to track 1000+ assets.
- Utilized ReactJS and Material UI to build administrative dashboard to track data and analyze trends.
- Developed in NodeJS to create REST API routes, session management, and security middleware.
- Designed large scale data base schemas based on stakeholder requirements.
- Followed software development lifecycle using agile/scrum methodology and performed code reviews.
- Deployed apps on servers through Docker containers/Kubernetes.
- Utilized Git version control with Bitbucket and Gitlab.

**IT Desktop Support Intern**

December 2019 – May 2020

Georgia Tech Office of Information Technology

Atlanta, GA

- Provided ticket-based technical support up for IT department (500+ users).
- Assisted users with account setup using Active Directory and achieved high user satisfaction.
- Rapidly learned to new technologies such as case management system ServiceNow and PuTTY to solve issues.
- Set up and image 50+ laptops and machines for employees to transition to work at home during COVID.

## Projects

**Automated Algorithm Design – VIP Team**

January 2021 – Present

Python, Genetic Algorithms and Programming

- Create an automated method that starts with the best human algorithms that develop into hybrid algorithms that outperform existing methods.

**HackGT Anthem Challenge**

October 2020

3<sup>rd</sup> Place

- Created a prototype social app that connects patients with other patients in the same hospital and other hospitals.

**Coding Web App**

August 2020 – October 2020

ReactJS, NodeJS/Express, MongoDB Atlas, Heroku

- Personal project to develop an online code compiler and coding practice web app.
- Serves as an online compiler and coding question for Java, JavaScript, and Python.

**Scene Recognition with Machine Learning (Team)**

May 2020 – July 2020

Python

- Performed multiclassification on MIT Places dataset using machine learning.
- Documented a report on the accuracy of KNN, Decision Tree, Neural Nets and CNN on color image recognition.

## Awards and Achievements

- Dean's List 2019 - 2021
- Zell Miller Scholarship 2019 - 2021