

# George Ye

678-365-1412

[george.ye45@gatech.edu](mailto:george.ye45@gatech.edu)

<https://george-ye45.github.io/>

<https://www.linkedin.com/in/george-ye-45g/>

## Education

### Georgia Institute of Technology | BS/MS in Computer Science, Finance Certificate

GPA: 3.94/4.0

College of Computing

Atlanta, Georgia

- BS Expected: May 2022
- MS Expected: May 2023

Scheller College of Business

Atlanta, Georgia

- Finance Certificate 2022

## Skills

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

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

**Certifications:** AWS Certified Cloud Practitioner

**Concepts:** Object Oriented Programming, Algorithm Design, Web App Development, Machine Learning, Info Security

## 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 Lambda, Step Function, DynamoDB, S3, Events, and CloudTrail with Java and Typescript SDK
- 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

### Full Stack Developer Intern

May 2020 – December 2020

Georgia Tech Research Institute

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 database 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

- Automated machine learning based on genetic programming to develop better algorithms on current problems
- Current project focused on using auto ML for stock analysis and portfolio optimization.

### HackGT Anthem Challenge

October 2020

3<sup>rd</sup> Place

- Developed prototype social app for hospital patients to receive/provide social and resource support during inpatient care during COVID and limited visiting hours

### Coding Web App

August 2020 – October 2020

ReactJS, NodeJS/Express, MongoDB, 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

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

- 4x Dean's List 2019 - 2021
- 4x Zell Miller Scholarship 2019 - 2021