

# Anthony Zhang

615 Wednesbury Road, Alpharetta, GA 30022 | 770-861-7096 | [azhang305@gmail.com](mailto:azhang305@gmail.com)  
<https://www.linkedin.com/in/tony-z-702b43a8/> | <https://github.com/tonyz0909>

---

## EDUCATION

---

### Georgia Institute of Technology, Atlanta, GA

August 2017 – December 2021

- B.S. in Computer Science (expected Fall 2020)
- Masters in Computer Science (expected Fall 2021)
- GPA: 4.0

## WORK EXPERIENCE

---

### SDE Intern at Amazon

May – August 2020

- Reduced the complexity of Amazon Alexa's natural language generation templates by 7% through a server-side PHP script that programmatically simplifies Alexa's templating language
- Expanded Amazon Alexa's ability to generate cross-topic answers

### Software Engineering Intern at UPS

May – July 2019

- Automated email sending from microservices to their respective teams with an API-based email service using Java Spring Boot and Microsoft Azure
- Deployed microservices that cleaned up large cloud-based data sets using CosmosDB and C#
- Improved the security and efficiency of UPS Customs applications using a key vault that allowed faster and more secure access of application keys and secrets

### Software Engineering Co-op at Itential

Software Engineering Intern (Term 2)

January – May 2019

- Shortened integration time of third-party services by 80% through a customer-facing web application created using React and Node
- Designed and implemented an application that allows customers to utilize pre-built network automation starter templates to speed up development using React and Mongo
- Restructured and expanded the company's hackathon as part of the company's hackathon committee

Software Engineering Intern (Term 1)

May – August 2018

- Created a Node.js adapter allowing core product to support Microsoft Azure Cloud integration
- Built an web dashboard that provided health statistics on all private repositories in the company

## RECENT PROJECTS

---

### Resume Chatbot

May – June 2020

- Chatbot that answers resume-related questions such as skills, education and internships
- Used Wit.ai to train natural language utterances and React.js and Express.js to design the frontend chat interface

### Sparse Order Picking Using Heads-Up Displays

August-December 2019

- Developed a Google glass application prototype that provides real-time localization and optimization of sparse order picking paths for warehouse navigation
- Performed a user study that compared various sparse order picking methods using heads-up displays

### Lunch Buddy

October 2019

- Mobile application that matches users with a "buddy" to eat lunch with based on their preferences and schedule created for HackGT 2019
- Used React Native to implement Facebook authentication, Messenger integration, Firebase integration, and push notifications

## SKILLS

---

**Programming:** Java, Python, PHP, JavaScript (Node.js, React.js, Express.js), MongoDB, MySQL

**Relevant Courses:** Data Structures and Algorithms, Design and Analysis of Algorithms, Applied Combinatorics, Intro to Artificial Intelligence, Machine Learning, Discrete Mathematics, Intro to Database

**Certifications:** AWS Certified Cloud Practitioner (2020)