Anthony Zhang

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EDUCATION

Georgia Institute of Technology, Atlanta, GA   *August 2017 – December 2021*

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

WORK EXPERIENCE

SDE Intern at Amazon   *May 2020 - August 2021*

- *Term 2:* Built custom tooling using React.js for Alexa's internal web application that enabled knowledge engineers to more easily configure Alexa's natural language understanding settings
- *Term 1:* 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
- *Technology:* React.js, PHP

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#
- *Technology*: Java, C#, Microsoft Azure

Software Engineering Co-op at Itential   *May 2018 – May 2019*

- *Term 2*: Designed and implemented a full stack customer-facing web application that shortened integration time of third-party services by 80% and mentored a new hire in React.js best practices
- *Term 1:* Created a Node.js adapter allowing core product to support Microsoft Azure Cloud integration
- *Technology*: React.js, Node.js, Express.js, mongoDB, Microsoft Azure

RECENT PROJECTS

MovieFinder   *April – June 2021*

- Mobile-compatible dashboard that allows users to search, filter and organize trending movies based on various criteria such as IMDb, Rotten Tomatoes, or Google Users ratings
- Implemented using React.js, Material UI, web scraping and local caching

Social and Language Technologies Lab   *December 2020 – August 2021*

- Developed natural language generation methods to classify and reframe text with negative sentiment in a positive manner while preserving semantic meaning
- Created an Amazon Mturk annotation task annotating a large online dataset and used the results to fine-tune state of the art baseline models such as BART and GPT-2

Volunteer Management System   *January 2020 – May 2020*

- As engineering manager, led a group of developers in creating a vendor-agnostic volunteer management platform for non-profit organizations in Atlanta using AGILE and SCRUM
- Mentored developers in React.js, Node.js, and web development concepts such as debugging JavaScript

Lunch Buddy   *October 2019*

- Mobile application created using React Native for HackGT that matches users with a "buddy" to eat lunch with based on their preferences and schedule
- Responsible for implementing Facebook authentication, Messenger integration and buddy pairing logic

RELEVANT SKILLS

Programming:	Java, Python (PyTorch, pandas, matplotlib), PHP, JavaScript (React, Node), HTML/CSS
Relevant Courses:	User Interface Design, Data Visualization Principles, Data Structures and Algorithms, Design and Analysis of Algorithms, Intro to Database
Organizations:	GT WebDev, Georgia Tech Social and Language Technologies Lab