

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 (expected December 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
- Implemented scalable code analysis algorithms including abstract syntax tree parsing and hash based subtree matching

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
- Worked in a team employing AGILE and test driven development
- 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 a web dashboard that provided health statistics on all private repositories in the company

RECENT PROJECTS

Social and Language Technologies Lab

December 2020 – Present

- Principal researcher for the positive reframing project researching natural language generation methods to classify and reframe text with negative sentiment in a positive manner
- Currently leading a group of annotators in annotating a large online dataset

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 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), JavaScript (React.js, Node.js, Express.js), C#

Relevant Courses: Data Structures and Algorithms, Design and Analysis of Algorithms, Machine Learning, Natural Language Processing, Computer Vision, Intro to Artificial Intelligence, Intro to Database, User Interface Design

Clubs/Interests: Georgia Tech Social and Language Technologies Lab, Bits of Good (Engineering Manager), GT WebDev, Piano (All-State 1st place 2014-2017), Guitar (beginner)