

# Jeffrey Zhaochen Luo

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## EDUCATION

### Georgia Institute of Technology

GPA: 4.0

Atlanta, GA

Aug 2016 – May 2020

B.S. in Computer Science (Concentrations: Intelligence & Info Internetworks)

## COMPUTER SKILLS

- Languages: Python, Java, JavaScript, C, SQL, Perl, Bash, Swift
- Frameworks/Libraries: Node.js, Angular, React, Spring, JQuery, D3, Flask, PyTorch, Tensorflow, Android Framework, iOS Cocoa Touch
- Technologies: MySQL, Oracle Database, Firebase, Apache Server, Tomcat Server, Linux, AWS, Azure

## WORK EXPERIENCE

### Amazon (Amazon Web Service)

Seattle, WA

#### Software Development Engineer Intern

May 6th 2019 – July 26th 2019

- Designed and developed full-stack product transform tool on AWS product management portal
- Developed fully tested Java backend workflow APIs and Angular frontend pages for new feature
- Automated the process on portal to take effect immediately which used to take 1-2 days of developer time

### UPS Supply Chain Solution

Alpharetta, GA

#### Software Engineer Intern (Technology Summer Intern)

May 21th 2018 – August 10th 2018

- Built visualization framework in JavaScript using D3 and Java Backend for file tracking databases with 3 million rows of data
- Implemented webhook listener in Perl using Apache Server to email application alerts with detailed information
- Created alert handlers in Bash scripts to handle alerts across over 8 servers to automate alert handling

### Georgia Tech College of Computing

Atlanta, GA

#### Student Developer Team Lead

Sept 7th 2017 – May 2nd 2019

- Developed an intelligent cloud-based chatbot in Node.js using Microsoft bot framework and Azure services
- Used NLP within the bot to detect user's problem and solve most issues related to Matlab and IT without human assistance
- Wrote a code generator in Python that generates Node.js code for bot dialogs from text command

## RESEARCH

### Entertainment Intelligence Lab

Atlanta, GA

#### Research Assistant

Aug 20th 2018 – Present

- Automated story generation using deep recurrent neural networks with Dr. Riedl
- Guided Neural Language Generation for Automated Storytelling paper accepted to ACL StoryNLP workshop
- Implemented Monte Carlo tree search within beam decoder in PyTorch to enhance output sentence quality

## PROJECTS

**Sneaker GAN** – Developed and trained sneaker image generator that generates novel and realistic shoe images using deep convolutional generative adversarial network in Python with PyTorch

**Bubble Tea Expert** – Designed and built a chatbot on Azure in Node.js that is capable of giving recommendations and answering questions about bubble tea and actively learns through new questions

**Snap and Fly** – Developed chrome extension in JavaScript that shows landmark name and location from an online image with a single click

**NYC Tracking** – Developed React web app made for Object Design class to display rat sighting data from Firebase database on a map and create charts for such instances

**AR Package** – Implemented backend Python Flask server and MySQL server during UPS hackathon for iOS app that lets user save a specific location for placing delivered packages through AR

**Blank Music Player** – Developed Android music player with voice control and clean UI that enables every command to be given without looking at the phone

**Where to Eat** – Developed Android app that generates the best matching nearby restaurant given user location and preference

**Message Filter** – Developed iOS app with Python socket backend that notifies user only when receiving messages from selected users

## LEADERSHIP

**KNIT Mentor** – Mentor of two first-year students

September 2017–May 2018

**Mathematical Intellectual Thinking Club** (Co-Founder | President)

Aug 2015–May 2016

**Super Athletes Club** (Founder | President)

Aug 2015–May 2016

**Varsity Football Team Captain**

Dec 2014–Apr 2016

## Honors & Awards

All-CIF Football Team-Division 1, Football Offensive MVP, Scholar-Athlete Award for three consecutive years, High Jump Regional 1st Place, Defensive Basketball Player of the Year, Best Male Athlete, National Honor Society, Randolph College Book Award, California Scholarship Federation