Jeffrey Zhaochen Luo

EDUCATION

Georgia Institute of Technology   Atlanta, GA
GPA: 4.0   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: PyTorch, Tensorflow, Node.js, Angular, React, Spring, JQuery, D3, Flask
- 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 2018 – May 2020

- 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