

Zhengxu Wang

857-799-0064; zhengxuwang519@gmail.com; GitHub: [ZhengxuWangAndy](#); LinkedIn: [zhengxuwang](#)

Portfolio: <https://zhengxu.pages.dev/>

EDUCATION

Boston University, <i>Master of Computer Science</i> (GPA 3.75)	Boston, U.S.	Sep 2022 - Jan 2024
Beijing University of Technology, <i>Bachelor of Computer Science and Technology</i>	Beijing, China	Sep 2017 - Jul 2021

SKILLS

Languages: (BackEnd) Python, Java, C++; (FrontEnd) JavaScript, TypeScript, SwiftUI; (Other) SQL, Bash
Frameworks: (Dev) React, Node.js, Flask, QT; (AI) PyTorch, TensorFlow; (Deploy) Spring Boot, Nginx, Docker, Kubernetes, Redis, Elasticsearch; (Cloud) AWS, Azure; (DB) MySQL, OracleDB, SqlServer, Neo4J; (Tool) PowerBI/Automate

WORK EXPERIENCES

Automation Developer Intern Dell Technologies Inc. <i>Optimize manual work into an automatic workflow</i> <ul style="list-style-type: none">Using PowerBI connect to SqlServer to fetch data and create a data monitoring report. Set data error alert and auto-trigger the PowerAutomate flow to notify PMs and create MS List items. Issues finding speed from one week to one day.Create PowerAutomate desktop flow help PMs auto batch update TMS platform jobs' information by filling Excel template.Learned APEX cloud platform and VxRail.	PowerAutomate, PowerBI, Bash	<i>May 2023 – Aug 2023</i> Global Translation Team--EMC
Software Engineer Intern BU Spark & UmpScores <i>Website: UmpScores</i> <ul style="list-style-type: none">Front-end: React-Native (JavaScript). Optimize thousands of lines hard-code, fix data ranking screen, and adds new ranking and filter functions.Back-end: Flask (Python) deployed in EC2 with CI/CD, data stored in AWS-Dynamo&S3. Optimize APIs data processing and create new APIs.	React-Native, AWS, JavaScript, Python, Flask, Git	<i>Jan 2023 – Aug 2023</i> Boston, MA
SwiftUI Developer Intern SocialTech Labs Inc. <i>App Store: BestFriendsNetwork -- An app about friendships</i> <ul style="list-style-type: none">Created a sending coupon feature using APIs that you can write a coupon and send it to friends.Implemented a highlight feature by a slidable card view presenting your labeled friends' names, messages, and photos.Helped the team test and fix all kinds of small glitches.	SwiftUI, AWS, Xcode, Git	<i>May 2023 – Aug 2023</i> New York, NY
Data Engineer Atos Information Technology Co. Ltd <i>Developed an interactive visual Knowledge Graph based on document metadata and content in the Enterprise Content Management platform, deploy as micro-services.</i> <ul style="list-style-type: none">Back-end: SpringBoot (Nginx) starts the Neo4j and MySQL databases, starts the Java RestfulAPI and data synchronization scripts, use Docker to deploy. Using Junit to do unit test.Front-end: Vue.JS implement multi-level click expansion of nodes in the graph and preview page jumping by click on node.Optimized the ElasticSearch micro-service, delivering search and recommendation function and implementing distributed deployment. Used Redis to accelerate high concurrency search speed under 2s.	Java, JS, Docker, Elasticsearch, Neo4J, SpringBoot, Nginx	<i>Jul 2021 – Aug 2022</i> Company Website
Research Assistant Chinese Academy of Sciences <i>MRI Brain Image Segmentation Assist Alzheimer's Diagnosis</i> <ul style="list-style-type: none">Added Self-Attention and Generalized-Dice Loss to PyTorch-based 3D-Unet model to segment the Hippocampus region and automatically quantify and visualize Hippocampal atrophy. The dice coefficient of the segmentation result exceeds 0.9.	Python, PyTorch, CV	<i>Nov 2020 – Jul 2021</i> Published Paper: China Digital Medicine
NLP AI Intern Asia-Info Data Co. Ltd <ul style="list-style-type: none">Built Python Web-Crawler to get medicine instructions as a training corpus, build the Tensorflow(Keras)-based CNN and RNN models to train classification model mean-AP reached 96%.ChatBot using GRU+Seq2Seq implements PubMed QA data to realize medical advice chatbot. Project PaperUsing Neo4j as graph DB, and a BERT-based NER model to extract triplet from the dataset (same as chatbot training data) creates KG to evaluate the chatbot's performance.	Python, TensorFlow, PyTorch, NLP	<i>Jul 2020 – Nov 2020</i> Company Website