Juechi(Joyce) Zhou

jz762@cornell.edu | (+1) 646-750-0986 | GitHub | Portfolio

Seeking Full-time Software Engineer Job

EDUCATION

Cornell Tech at Cornell University
MS in Information Systems (Specialized in Computer Science, GPA 3.7/4.0)
August 2016 - May 2018, New York, NY

Merit-Based Jacobs Technion – Cornell Institute Fellowship
Coursework: Applied Machine Learning, Natural Language Processing, Optimization Tools, Independent Study on Human-Computer Interaction.

Beijing University of Posts and Telecommunications
B.Eng. in Communication Engineering (GPA 3.6/4.0)
September 2012 - July 2016, Beijing, China

Honorable Mention, Mathematical Contest in Modeling, 2015
Coursework: Data Structures and Algorithms, Computer Networks, Discrete Mathematics

EMPLOYMENT

AOL Inc
June 2017 - August 2017, New York NY

Software Development Intern (Bootstrap, jQuery, Ajax, Flask)
- Full stack web development at Area 51, the technology innovation lab at AOL. Designed and developed a new way of news consuming for AOL's publisher platform.
- Mainly worked on frontend implementation, API research and backend image search algorithm.
- Integrated with IBM Watson API, Google Custom Search API, etc.
- Product got accepted by NYC Media Lab 2017

RESEARCH

Stanford University HCI Group - Crowd Research Collective
2015 - 2016, Remote

UX Researcher
- Participated in the design and development of the reputation system and organizational model of self-governed crowdsourcing marketplace.
- Co-authored research paper and submitted to CHI (Top conference of Human-computer interaction).

PROJECTS

Orange / mHealth app for cancer patients in developing countries [Git Repo]
2017, New York, NY
Software Developer (React Native, React, Django, MySQL) & *Mobile Designer* (Sketch + InVision)
- Designed and built mobile app using React Native, which allows assessment and management of pain and other symptoms for advanced cancer patients in Kigali, Rwanda.
- Working on building doctors' dashboard page using React and Django.
- Collaborating with doctors and researchers from MGH, UCSF, King's College London and the RPCHO.
- Potentially expands palliative service access across 90% region of Kigali, Rwanda.

Named Entity Recognizer Using Deep Neural Network [Git Repo]
2017, New York, NY
Natural Language Processing Final Project (Word2Vec, TensorFlow)
- Built a deep neural network model to do named entity recognition for Twitter text with around 95% accuracy.
- Used context window to reveal the relation between words.

Robust RESTful API Design and Implementation
2016, New York, NY
Software Developer (Flask + AWS + Gunicorn + Nginx)
- Implemented a performant RESTful web API analyzing the color of image.
- Deployed to AWS with Classic Load Balancer and cache to improve performance.
- Performance of the API ranked the top 6% among all 98 students with around 500 concurrency.

SKILLS

Python(Flask + Django + TensorFlow), Javascript(React + Redux, Node.js), C#(Unity), C++, HTML+CSS, MySQL, Git.
Rapid prototyping, UX research & design (Sketch + InVision), A/B Testing.
Taichi(certified national athlete)