

Ruolin “Lynn” Zheng
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EDUCATION

The University of Chicago

Chicago, United States

Joint Bachelor and Master of Science in Computer Science, Bachelor of Arts in Statistics

Expected, June 2021

GPA: 3.955/4.00, Dean's List (2017 – 2018, 2018 – 2019), UChicago STEM Summer Research Grant (2018)

RELATED COURSEWORK

Software Development, Computer Systems, Networks and Distributed Systems, Parallel Computing, Databases, Computer Security, Algorithms, Cryptography, Computational Linguistics, Machine Learning, Regression Analysis

EXPERIENCE

Salesforce, Inc.

San Francisco, United States

Software Engineering Intern on Health Cloud

Expected, June 2020 to September 2020

VIA Technologies, Inc.

Shenzhen, China

Software Engineering Intern in Embedded IoT (Internet of Things)

June 2019 to September 2019

- Completed from scratch VPai Home, a PC App for home security cameras, which expects over 10,000 downloads
- Equipped the App with features like camera live stream and security alerts with the use of TCP, OSS, and databases
- Added a QR code scan-login feature to VPai Home iOS and achieved a 54% growth in download counts since July

Nomad Credit

Chicago, United States

Front-End Web Development Intern

October 2018 to April 2019

- Developed a Ruby on Rails Web App in a Docker container and monitored site performance in Google Analytics
- Optimized CSS for mobile display; Compressed over 150 images to achieve a 50% increase in Page Load Speed

UChicago CANON Research Lab (Computing for ANYONE)

Chicago, United States

Research Assistant, Curriculum Development Intern

June 2018 to August 2018

- Developed seven Computer Science courses in Scratch (language); Automated the grading process with JavaScript
- Built a web version of Robot Turtles, the most-backed board game on Kickstarter, for research in classes of size 30

LEADERSHIP & ACTIVITIES

UChicago TechTeam

Chicago, United States

Program Development Chair, Project Leader

January 2018 to Present

- Lead weekly workshops in Web Development and Data Analysis, attracting a regular audience of over 15 students
- Supervise 12 civic tech projects every year to engage over 100 students with clients like the UChicago Career Center

PROJECTS

Exhibitor Look-Up Web App for the 2019 Grace Hopper Celebration

September 2019

- Built a website to display company data from the Google Knowledge Graph API, getting over 200 pageviews daily

Sentence Predictor with Long-Short Term Memory (LSTM)

March 2019

- Built an LSTM encoder-decoder in PyTorch to predict the next sentence given the first, achieving a 20% accuracy

Face Detector from the Viola-Jones Paper

February 2019

- Built Haar Filters, AdaBoost, and Cascading to classify faces; Trained on 4000 images and achieved a 32% accuracy

Smart Luggage Case “Bon Voyage” with Auto-Brake

June 2016 to August 2016

- Built an auto-brake system with 3D-printed wheel locks, touch sensors, and Arduino; Won Fabrication Lab Honor

SKILLS

Languages: Proficient in Python, C, C++, Java; Basic in HTML/CSS/JavaScript, Ruby on Rails, R, SQL, Swift, Go

Technologies: Proficient in Linux, Visual Studio, Xcode; Basic in iOS Development, PyTorch, Bootstrap, Jekyll