

**Ruolin “Lynn” Zheng**  
[ruolinzheng@uchicago.edu](mailto:ruolinzheng@uchicago.edu) | <https://www.linkedin.com/in/ruolin-zheng/>  
(773)322-0142 | 5500 S University Ave. Chicago, IL, 60637

## EDUCATION

### The University of Chicago

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

GPA: 3.947/4.00, Dean's List 2017 – 2018, Dean's List 2018 – 2019

#### Awards:

UChicago STEM Summer Research Grant (\$1,000)

Chicago, United States

Expected, June 2021

2018

## RELATED COURSEWORK

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

## EXPERIENCE

### VIA Technologies, Inc.

*Software Engineering Intern in IoT (Internet of Things) and App Development*

Shenzhen, China

June 2019 to Present

- Completed from scratch a PC App for home security cameras, VPai Home, which expects over 10,000 downloads
- Added a QR Code scan-login feature to VPai Home iOS and achieved a 54% growth in download counts since July
- Enabled the App to live stream and receive motion detection alerts from the camera with the use of a STCP server
- Improved the stability and speed of the distributed Go server used by the PC, iOS, Android Apps and the cameras

### Nomad Credit

*Front-End Web Development Intern*

Chicago, United States

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 and compressed over 150 images to achieve a 50% increase in Page Load Speed

### UChicago CANON Research Lab (Computing for ANyONE)

*Research Assistant, Curriculum Development Intern*

Chicago, United States

June 2018 to August 2018

- Developed seven Computer Science course modules in Scratch and automated the grading process with JavaScript
- Built Robot Turtle (a coding board game) Online Game in HTML/CSS/JavaScript for research data collection

## LEADERSHIP & ACTIVITIES

### UChicago TechTeam

*Program Development Chair, Project Leader*

Chicago, United States

June 2019 to Present

- Lead weekly workshops in Web Development, Python for Data Analysis and Visualization, Web Scraping and APIs
- Supervise projects like helping UChicago Career Advancement Center scrape internship postings from the web

## PROJECTS

**LSTM Sentence Predictor** <https://ruolinzheng08.github.io/ml-projects/>

March 2019

- Designed a Long-Short Term Memory architecture in PyTorch to predict the next English sentence given the first

**Viola-Jones Face Detector** <https://ruolinzheng08.github.io/ml-projects/>

February 2019

- Implemented Haar Image Filters, the AdaBoost algorithm, and Cascading as described in the Viola-Jones paper

**Smart Luggage Case “BoVo”** <https://www.youtube.com/watch?v=nQbGU2BWRk>

June 2016 to August 2016

- Built an automatic brake system by integrating 3D-printed wheel locks with sensors connected to Arduino boards
- Created an Android App which identifies luggage cases remotely by signaling their LEDs and beepers via Bluetooth

## 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, wxWidgets; Basic in PyTorch, TensorFlow, Keras