

# Zecheng Li

## Full Stack Software Engineer

### Work Experience

#### Full Stack Software Engineer — Hancock Software

May 2018 - Present

Liheap Hancock Cloud Web Based Application (SaaS)

- Design and implement data storage layer of the web app using relational database MSSQL
- UI/UX Design and implement contents of data displaying layer using C#, AngularJS
- Implement role access control system using C#
- Design a data validation module to verify client input data using MSSQL and C#
- Design, Integrate and implement reporting service and template using Azure's SSRS
- Play a Key Role during the CI/CD process: Plan and Install the releases, participate in the design of automation deployment using Jenkins
- Implementation of automation test using Cucumber, Ruby and Selenium
- Mentored and knowledge transfer with new QA Staff, Make deployment and product video
- Collaborate with our developers in China, document data dictionary and release note

#### Student Researcher — UNL Hardware Security Lab

Aug 2016 - May 2017

UCARE Program

Research to enhance the security of streaming servers, present the project

- Design and implement a streaming server using nginx, shaka player
- Used AES and RSA algorithm to sign and verify the video

DAC 2018 Contest

- Train image data set model using YOLOv2 framework on Nvidia Jetson TX2 using Python

### Education

#### Bachelor of Science in Computer Science

University of Nebraska - Lincoln August 2015 - May 2018 GPA: 3.42

Related Course: CSCE 470 Computer Graphics, CSCE 478 Intro to Machine Learning

Anhui Normal University August 2013 - May 2015

### Projects

- **Mobile based food recognition C Food:** Front end Programmer on iOS developing, display results in graph library using swift and firebase.
- **StockTwit Sentiment data analysis:** Using Stocktwit API to scrape the comments about the stocks, data cleaning with Panda, Using Baidus PaddlePaddle to make sentiment judgment and predict the possible stock trends, submit to HackMIT2017.
- **ImmersiveViz:** 3D data visualization app. Served as Unity C Sharp Engineer, visualize data set in Unity 3D environment, won 2nd in the Data Visualization Prize of ArchHack 2016, description Available on <https://devpost.com/software/immersivviz>
- **Optim-Eyes:** Face recognition health app prevents myopia. Served as Team Leader, Configure Tracking.js algorithm with homothetic methods detecting distance between humans eye and monitor(webcam), win 4th in the Overall Prize of Minnehack 2017(Out of more than 40 teams, Available on <https://github.com/tannn/optim-eyes>).

### Contact Details

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### Programming Languages

Python

MSSQL

C#

Java

### Technical Stacks

Unity

Angular JS

ReactNative

Git/ Jenkins

### Awards

8th in Final, Anhui Province Sports Game, 2014: Men's Varsity Pole Vaulting.

Third Scholarship, Anhui Normal University, 2014: Top 10 percent in the class of 97.

Second Prize, ACM Programming contest, Western Missouri State University, 2016 : Ranked 4th/45 teams.

Best Project, UNL CSE 470 Computer Graphic, 2017: 1st out of 6 teams.

### Others

Fluent in Mandarin, English Triathlon, MMA