

# Zhao(Harry) Li

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**Objective: Software Engineer Summer Internship**

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## EDUCATION

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**University of Pennsylvania**, Philadelphia, PA **Sept 2017 - May 2019(Expected)**  
Master of Computer and Information Technology **GPA: 4.0/4.0**  
● Courses: Data Structure, Algorithms, Software Development, Database and Information Systems, Computer Systems, etc.

**Sun Yat-sen University**, China **Sept 2013 - Jun 2017**  
Bachelor of Economics in Insurance **GPA: 3.8/4.0**  
● Won 1<sup>st</sup> Prize Scholarships (ranked No.1 in Insurance Department in 2015-2016)  
● Won Top 3 Prize in Guangzhou division in the "Munich Re Cup" 2016 National College Student Actuarial Mathematics Competition (top 100 in China)  
● Society of Actuaries Exams Passed: Probability, Financial Mathematics

## SKILLS

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Programming Language: Java, C, C++, JavaScript, Python  
Database: SQL, MySQL, MongoDB, Neo4j  
Web development: Node.js, Express, AngularJS  
Others: HTML, CSS, Git/GitHub, AWS, Android Studio

## PROJECTS

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**Rap Freestyle Web Forum** **Jan-Feb 2018**  
● Developed a website for rappers to post their albums, lyrics, and battle freestyles  
● Implemented comment system and login/register system using **Passport.js**, storing these data in **MongoDB**, applying **Node.js** and **Express** with **RESTful** routes  
● Designed website styles with **Bootstrap** and deployed it on **Heroku**

**FIFA 18 Assistant Android App** **Dec 2017**  
● Built an Android App with datasets from video game FIFA 18, programming in **Java**  
● Implemented a "prefix search engine" using prefix tree data structure to search team names  
● Designed user-friendly UI and implemented soccer players' photo gallery using **Picasso**

**English Premier League Data Visualization Web Application** **Nov – Dec 2017**  
● Developed a web app for users to query data or generate soccer data analysis from EPL database (won **Best Project Award** out of 45 competitors)  
● Implemented outstanding data visualization with **AngularJS** and **Chart.js**  
● Cleaned and normalized csv datasets using Java before constructing **MySQL** database  
● Integrated **Facebook API** for login and **Bing Search API** to search for related soccer information  
● Applied **MongoDB** as user information database and deployed the project on **AWS**

**Web App for Image Processing** **Apr 2017**  
● Developed an image processing web demo on **CodePen** that allows users to upload pictures to adjust color or add blur filter  
● Designed an algorithm with **JavaScript** that allows users to generate a composite image with background and foreground pictures

**Voting System for FIFA Soccer Player of the Year** **Dec 2013**  
● Developed an interactive voting program for best male and female soccer player of the year  
● Built user-friendly interface and local database with **Visual FoxPro**

## WORK EXPERIENCE

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**CITIC-Prudential Life Insurance Company Ltd.** **Jan 2017 – Feb 2017**  
The first Sino-British insurance joint venture in China  
**Actuarial Intern**  
● Wrote reports on monthly adjustments of actuarial models with Prophet (programming similar to C)  
● Modified Excel model of 2017 insurance products with VBA

## ACTIVITIES

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**Robot Soccer Competition** **Feb 2011**  
● Won 2nd prize in the 2011 RoboCup Junior (China) Robot Soccer Competition  
● Implemented real-time electronic soccer dribbling and shooting strategy, programmed in C