

# ZIHUANG GUO

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## EDUCATION

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**University of Illinois at Urbana-Champaign**

*Aug 2016 – Dec 2019*

Bachelor of Arts in Linguistic

GPA: 3.32

Minor in Computer Science

## PROJECTS

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### **Grade Disparity Between Sections at UIUC**

Worked with a group of students and a professor to create a data visualization for grade disparity between sections of every course at University of Illinois at Urbana-Champaign.

You can visit the project at [http://waf.cs.illinois.edu/discovery/grade\\_disparity\\_between\\_sections\\_at\\_uiuc/](http://waf.cs.illinois.edu/discovery/grade_disparity_between_sections_at_uiuc/) for more details.

## WORK EXPERIENCE

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**Koya DocuTracker LLC, Chicago, IL**

May 2018 – Jan 2019, July 2019 – Present

*Software Engineer Intern*

- Communicated with clients directly and made bug fixes, feature updates, performance increases and such to the application accordingly
- Led and contributed to adding new features, debugging, testing automation, improving performance, and refactoring on the front-end
- Created and modified data structures on the back-end including database and NuGet packages, managed endpoints
- Created migrations and scripts necessary for parts of the application
- Designed parts of user authorization and data authentication on the back-end
- Made hotfixes and releases for the company

## SKILLS

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- **Mandarin(Native)** and **English(Native or bilingual proficiency)**
- Advanced in **JavaScript, TypeScript, C#, Python, HTML, CSS, SCSS, C, C++, Java**, proficient in **SQL, Verilog**, familiar with **Swift, MATLAB, R**
- **Node JS** and other Front-end technologies such as **Aurelia Framework, React**
- Version Control (**Git** and **SVN**)
- **Entity Framework, ASP.NET**
- Automated testing applications such as **Katalon Studio**
- Data Analysis and Data Visualization (**pandas, scipy, d3**)
- AI Algorithms (**Searches, Bayes, TD-Learning, Reinforcement Learning, SARSA, Neural Network**)
- Natural Language Processing (**scikit-learn, scipy, NLTK, Weka**)
- System Programming (**Multithreading, Synchronization, Inter-process Communication, Signaling, Networking**)