ZIHUANG GUO

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EDUCATION

University of Illinois at Urbana-Champaign   *Aug 2016 − Dec 2019*
Bachelor of Arts in Linguistic   GPA: 3.32 / 4.0
Minor in Computer Science

PROJECTS

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. Primarily worked on creating tool tips with metadata about each course. You can visit the project at `http://waf.cs.illinois.edu/discovery/grade_disparity_between_sections_at_uiuc/` for more details.

WORK EXPERIENCE

Koya DocuTracker LLC, Chicago, IL   *May 2018 − Present*
Software Engineer Intern

- Communicate with clients directly and make bug fixes, feature updates, performance increases and such to the application accordingly
- Lead and contribute to adding new features, debugging, testing automation, improving performance, and refactoring on the front-end
- Create and modified data structures on the back-end including database and NuGet packages, managed endpoints
- Create migrations and scripts necessary for parts of the application
- Design parts of user authorization and data authentication on the back-end
- Make hotfixes and releases for the company

SKILLS

- **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**
- Advanced in **Node JS** and other Front-end technologies such as **Aurelia Framework**, **React**
- Advanced in version Control (**Git** and **SVN**)
- Proficient in **Entity Framework, ASP.NET, Microsoft SQL Server**, farmiliar with **Microsoft Azure**
- Proficient in automated testing applications such as **Katalon Studio**
- Proficient in data Analysis and Data Visualization (**pandas, scipy, d3**)
- Proficient in some AI Algorithms (**Searches, Bayes, TD-Learning, Reinforcement Learning, SARSA, Neural Network**)
- Proficient in Natural Language Processing (**scikit-learn, scipy, NLTK, Weka**)
- Familiar with system programming (**Multithreading, Synchronization, Inter-process Communication, Signaling, Networking**)