

ZIHUANG GUO

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EDUCATION

University of Illinois at Urbana-Champaign

BALAS, Linguistic

Minor in Computer Science

Aug 2016 - Dec 2019

GPA: 3.32

PROJECTS

Unsupervised Grammar Induction for Mandarin

Currently working on an undergraduate senior thesis that induce Mandarin grammars given arbitrary texts in Mandarin.

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/ for more details.

WORK EXPERIENCE

YenYen Restaurant, Buffalo Grove, IL

Carry-Out Worker

Aug 2014 - Dec 2015

- Worked as a carry-out order packer and phone answerer.
- Helped with payments and attended to customers' needs when busy.

University Dining Hall, Urbana, IL

Hotline Runner

Sep 2016 - Jan 2017

- Responsible for refills of food trays and cleaning of food stations.

Koya DocuTracker LLC, Chicago, IL

Software Engineer Intern

May 2018 - Jan 2019, July 2019 - August 2019

- Communicated with clients directly and made bug fixes, feature updates, performance increases and such to the application accordingly
- Worked on 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
- Worked on user authorization and data authentication on the back-end
- Made hotfixes and releases for the company

ACTIVITY

Member of Illini Bodybuilding Club

Member of Muay Thai Club at UIUC from 2016 to 2017

Member of Illini Film and Video (IFV), Director of Photography for an IFV project

Member of UIUC ACM(Association for Computing Machinery), Member of the following SIGs(Special Interest Groups): *SIGMobile, Gamebuilders, Webmonkeys*

SKILLS

- Mandarin(Native) and English(Native or bilingual proficiency)
- Advanced in JavaScript, TypeScript, C#, Python, HTML, C, C++, Java, proficient in SQL, CSS, SCSS, familiar with Swift, MATLAB, and R
- Node JS and Front-end technologies such as Aurelia Framework, React
- 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)