Ziru "Ron" Chen

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INTERESTS	Natural Language Processing, Machine Learning, Algorithms and Theory of Computation

EDUCATION

The Ohio State University, Columbus, OH — Expected May 2022
Bachelor of Science in Computer and Information Science — **GPA 4.0 / 4.0**
Specialization: Artificial Intelligence; Mathematics Minor

WORK EXPERIENCE

Student Instructional Assistant, OSU — Aug 2019 – May 2020; Sep – Present
- *CSE 2321 Foundations I: Discrete Structures* (AU19; SP20; AU20)
- Grade students' homework and answer their questions
- Manage grades and course status with Carmen Canvas
- Write homework solutions with LaTeX

PROJECT EXPERIENCE

Counts and Measurements in Scientific Texts — Sep 2020 – Present
- Working on the newly released dataset at SemEval 2021 Task 8 in a group of three
- Conducting data analysis for frequent features and patterns within the dataset
- Implementing and tuning deep learning models for the proposed recognition task

BW Language Compiler — Mar 2019
- Studied Abstract Syntax Tree, Context-Free Grammar, and basic Bytecode Generation
- Implemented a tokenizer, a recursive descent parser, and a code generation function in Java
- Completed a compiler that generates bytecode for BW language and runs on a Linux server

QUALIFICATIONS & SKILLS

Coursework:
 - ***Speech and Language Processing (AU20)***   - ***Automata and Formal Languages (AU20)***
 - *Introduction to Artificial Intelligence*   - *Data Structures and Algorithm*
 - *Introduction to Operating Systems*   - *Discrete Mathematics*

Professional Skills:
- Programming Languages: *Python, C, Java, MATLAB, Ruby*
- **ML / DL Toolkits**: ***Numpy, Pytorch***, *Pandas, Matplotlib, Sklearn, NLTK*
- Coursera Certifications: Applied Data Science, Math for Machine Learning
- Other Computer Science Skills: *Linux, Git, HTML and CSS, LaTeX*

Software:
- *Eclipse, Jupyter Notebook, Microsoft Office, iWork, TeXstudio*

Language:
- *Chinese (Native), English (Proficient), Japanese (Moderate; **JLPT N2**), Korean (Elementary)*

STUDENT ACTIVITIES

Secretary, CSE/CIS Peer Mentors — Aug 2019 – Present
- Manage the organization website and coordinate new peer mentors
- Support advisors by sharing academic experiences in class or during online office hours
- Presenting methods and resources to plan their college life to freshmen with other mentors
- Answer students' questions in class and through emails

Active Member, Chinese Students and Scholars Society — Sep 2018 – Present
- Attend meetings regularly to plan future events with other members
- Hosted the Computer Science subject table at Chinese Freshmen Welcome Party
- Volunteered at events including Mid-Autumn Festival Carnival and OSU Homecoming Parade

Last Updated: 10/06/2020