

## Ziru “Ron” Chen

chen.8336@osu.edu | (614) 282-7561

web.cse.ohio-state.edu/~chen.8336/ | Columbus, OH 43210

INTERESTS	Natural Language Processing, Machine Learning, Algorithms and Theory of Computation	
EDUCATION	<b>The Ohio State University</b> , Columbus, OH <b>Bachelor of Science in Computer and Information Science</b> Specialization: Artificial Intelligence; Mathematics Minor	Expected May 2022 <b>GPA 4.0 / 4.0</b>
WORK EXPERIENCE	<b>Student Instructional Assistant</b> , OSU - <i>CSE 2321 Foundations I: Discrete Structures</i> (AU19; SP20; AU20) - Grade students' homework and answer their questions - Manage grades and course status with Carmen Canvas - Write homework solutions with LaTeX	Aug 2019 – May 2020; Sep – Present
PROJECT EXPERIENCE	<b>Counts and Measurements in Scientific Texts</b> - 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	Sep 2020 – Present
	<b>BW Language Compiler</b> - 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	Mar 2019
QUALIFICATIONS & SKILLS	<b>Coursework:</b> - <i>Speech and Language Processing (AU20)</i> - <i>Automata and Formal Languages (AU20)</i> - <i>Introduction to Artificial Intelligence</i> - <i>Data Structures and Algorithm</i> - <i>Introduction to Operating Systems</i> - <i>Discrete Mathematics</i> <b>Professional Skills:</b> - Programming Languages: <i>Python, C, Java, MATLAB, Ruby</i> - <b>ML / DL Toolkits:</b> <i>Numpy, Pytorch, Tensorflow, Pandas, Matplotlib, Sklearn, NLTK</i> - Coursera Certifications: <i>Applied Data Science, Math for Machine Learning</i> - Other Computer Science Skills: <i>Linux, Git, HTML and CSS, LaTeX</i> <b>Software:</b> - <i>Eclipse, Jupyter Notebook, Microsoft Office, iWork, TeXstudio</i> <b>Language:</b> - <i>Chinese (Native), English (Proficient), Japanese (Moderate; JLPT N2), Korean (Elementary)</i>	
STUDENT ACTIVITIES	<b>Secretary</b> , CSE/CIS Peer Mentors - 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	Aug 2019 – Present
	<b>Active Member</b> , Chinese Students and Scholars Society - 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	Sep 2018 – Present