

## Ziru “Ron” Chen

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INTERESTS	Natural Language Processing, Machine Learning, Algorithms, 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</b>
WORK EXPERIENCE	<b>Student Instructional Assistant</b> , Department of Computer Science and Engineering, Columbus, OH August 2019 – May 2020 <ul style="list-style-type: none"><li>- <i>CSE 2321 Foundations I: Discrete Structures</i> (Autumn 2019; Spring 2020)</li><li>- Grade students’ homework and report basic statistics and common mistakes to the professor</li><li>- Answer students’ questions by holding office hours and replying to emails</li><li>- Manage grades and course status with Carmen Canvas</li><li>- Write homework solutions with LaTeX</li></ul> <b>Student Shop Assistant</b> , MUJI Shanghai, Shanghai, China April – June 2018 <ul style="list-style-type: none"><li>- Listened to customers’ concerns and effectively communicated with customers to help solve their problems</li><li>- Managed products on shelf by reorganizing and replenishing them</li></ul>	
QUALIFICATIONS & SKILLS	<b>Coursework:</b> <ul style="list-style-type: none"><li>- <i>Speech and Language Processing (AU20)</i></li><li>- <i>Introduction to Artificial Intelligence</i></li><li>- <i>Introduction to Operating Systems</i></li><li>- <i>Automata and Formal Languages (AU20)</i></li><li>- <i>Data Structures and Algorithm</i></li><li>- <i>Discrete Mathematics</i></li></ul> <b>Professional Skills:</b> <ul style="list-style-type: none"><li>- Programming Languages: <i>Python, C, Java, MATLAB</i></li><li>- Machine Learning / Deep Learning Toolkits: <i>Numpy, Pytorch, Pandas, Matplotlib, Scipy</i></li><li>- Other Computer Science Skills: <i>Linux, HTML and CSS, LaTeX</i></li></ul> <b>Software:</b> <ul style="list-style-type: none"><li>- <i>Eclipse, Jupyter Notebook, Microsoft Office, iWork, TeXstudio</i></li></ul> <b>Language:</b> <ul style="list-style-type: none"><li>- <i>Chinese (Native), English (Proficient), Japanese (Moderate; JLPT N2)</i></li></ul>	
PROJECT EXPERIENCE	<b>BW Language Compiler</b> , Software Development and Design March 2019 <ul style="list-style-type: none"><li>- Studied Abstract Syntax Tree, Context-Free Grammar, and basic Bytecode Generation</li><li>- Implemented a tokenizer, a recursive descent parser, and a code generation function in Java</li><li>- Completed a compiler that generates bytecode for BW language and runs the program on a Linux server</li></ul>	
STUDENT ACTIVITIES	<b>Communication Chair</b> , CSE/CIS Peer Mentors August 2019 – Present <ul style="list-style-type: none"><li>- Support advisors by sharing academic experiences to complete lectures in survey class recitations</li><li>- Teach students how to prepare for internships and future career by giving a presentation with other peer mentors</li><li>- Answer students’ questions in class and through emails</li></ul> <b>Active Member</b> , Chinese Students and Scholars Society September 2018 – Present <ul style="list-style-type: none"><li>- Attend meetings regularly to plan future events with other members</li><li>- Hosted the Computer Science subject table at Chinese Freshmen Welcome Party</li><li>- Volunteered at Mid-Autumn Festival Carnival and OSU Homecoming Parade</li></ul>	