Yi Hao (Ronald) Li

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EDUCATION

- **B.S. in Computer Science** | San Jose State University - San Jose, CA **Expected May 2027**

COURSEWORK

- AP Computer Science A, Intro to Data Structures, Intro to Database Management Systems, Intro to Computers and Info Tech, Intro to Networks, Switching/Routing and Wireless Essentials, Discrete Mathematics, Calculus II, Data Structures and Algorithms (Planned), Objected Oriented Design (Planned)

SKILLS

- **Languages:** Java, Python, SQL, HTML, CSS, JavaScript, MATLAB
- **Frameworks/Libraries/Tools:** JUnit, React, Pandas, NumPy, TensorFlow, Matplotlib, Eclipse, IntelliJ, VS Code, PyCharm, MySQL Workbench, GitHub
- **Computer Networks:** Routers, switches, VLAN trunking configuration, TCP/IP, and network security

EXPERIENCE

Research Intern | *San Jose State University - San Jose, CA* **Sept 2023 – Present**
- Conducting a year-long research project on detecting malware from different families under the guidance of Dr. Fabio Di Troia
- Cooperating in a team of 5 to train deep learning models utilizing TensorFlow resulted in a 99% accuracy
- Wrote Python scripts for preprocessing to convert raw opcode data into clean ratio datasets

Intro to Data Structures Lab Student | *San Jose State University - San Jose, CA* **Aug 2023 – Present**
- Cooperating with a team to implement Java programs surrounding topics such as sorting algorithms, recursion, linked lists, binary trees, exception handling, writing JUnit test cases, and using logging to debug

Teacher Lead | *justCode Academy - Fremont, CA* **Mar 2021 – Jun 2023**
- Facilitated comprehensive and engaging learning experiences by instructing Java and Scratch to 50 children through group lessons
- Monitored students' progress, and adjusted teaching methods, resulting in enhanced understanding and enthusiasm for coding concepts among young learners
- Received positive feedback from parents and students for effective communication and teaching abilities

Web Developer | ECDE (Every Child Deserves Education) Foundation **Sep 2021 – Aug 2022**
- Designed the user interface and planned the structure of the foundation's website to suit the team's requirements
- Collaborated with other developers to publish an HTML/CSS course on ECDE Foundation's YouTube channel (Link to course: https://youtu.be/8IqKIAnMS-I?si=QwQXmQITQAt1fdfu)
- Brainstormed creative video topics, wrote compelling scripts, and edited high-quality videos

PROJECTS

Healthy Eats | *Epsilon Hacks II* DevPost
- Developed a website with HTML, CSS, and JavaScript that encourages healthy eating habits with features such as showing groceries/meal plans according to user input and allowing users to log in to track progress

ASAP Child Labor Solution | *MetroHacks* DevPost
- Built a website using HTML and CSS to raise awareness of the child labor crisis by displaying statistics and a feature for donations

ACTIVITIES AND CERTIFICATES

- **Clubs** | *Member of SJSU Association of Computing Machinery, Software and Computer Engineering Society*
- **Google Cloud Skills Boost** | *Generative AI Fundamentals, Encoder-Decoder Architecture, Large Language Models*
- **Cisco Certified Network Associate** | *Introduction to Networks (2022), Switching, Routing, and Wireless Essentials (2023)*