

Rui Chen

Seeking a Software Developer/Engineer Internship to apply technical knowledge and gain experience.

CONTACT

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EDUCATION

M.S: Computer Science

Aug 2020 - Current

University of Kansas (KU);
Lawrence, KS

B.S: Computer Science
B.S: Computer Engineering
(ABET accredited)

3.50/3.43 GPA

Graduated: May 2020

University of Wyoming (UW);
Laramie, WY

SKILLS

Computer Language:

- Python
- C++
- Java
- HTML/CSS/JavaScript
- MATLAB
- Verilog

Software:

- Visual Studio
- Spyder
- GitHub

Languages:

Chinese, English

LEADERSHIP / HONORS

Chinese Students & Scholars Association (CSSA);

Jan 2016 - Oct 2017

- **Vice President**, greeted Chinese Embassy to the University of Wyoming, June 2017
- Edited and managed the social media of CSSA: Facebook and WeChat (Chinese social media)

Tau Beta Pi engineering

honorary, member since 2018

EXPERIENCES

Computer Lab Assistant: UW Information Technology; Laramie, WY

Oct 2018 – May 2020

- Provided basic computer support and assist users with software problems.
- Improved communication and troubleshooting skills

Academic Tutor: UW Student Education Opportunity; Laramie, WY

Sept 2018 - Dec 2018

- Gave in-person tutoring to computer science students to help them reinforce great knowledge for homework and exam.
- Developed problem-solving and organization skills by assisting students on assignments and study plan.

Data Analysis: UW Civil Engineering Dept.; Laramie, WY

Jan 2017 - Sept 2017

- Used Access database to connect and analyze research data
- Managed and maintained research webpage by using HTML, CSS, and JavaScript

Contract Translator: ABC Relaxing Station, LLC; Cheyenne, WY

Jan 2017 - May 2017

- Family owned business
- Enhanced English language skills by reading legal documents on a weekly basis; translated the contents to Chinese language for the owner to understand

SENIOR DESIGN PROJECTS

Computer Science: "At Risk Student Dropout Prediction"

Sept 2019 – May 2020

- Design a machine learning algorithm to predict whether a student will drop out of college
- Conduct research related to the topic; created a fair algorithm and adjust for bias
- Use machine learning algorithms of Decision Tree and Random Forest and, programming in Python
- Design an intersectional bias detector that use a connection between decision tree and clustering inside the Random Forest algorithm; and, the design mimics the detector (using the technique of clustering)

Computer Engineering: "Smart Window Blinds"

Jan 2019 - May 2019

- Created a self-contained system to allow users to open/close household blinds through a web application
- Created a simple web application with HTML that communicated to a WiFi module
- Programmed the WiFi module, a self-contained System On Chip called ESP8266, by using Arduino IDE