

EDUCATION

University of Wisconsin Madison

Madison, WI

- *Bachelor of Science, Data Science and Economics (Math); GPA: 3.785*
Minor: Computer Science

Sep 2018 – Jun 2022

EXPERIENCE

American Red Cross

Madison, WI

- *Salesforce & Data Volunteer, Fund Development*

Feb 2022 - Present

- **Receive** on-board training on Salesforce CRM systems and Power-BI
- **Assist** with Fund Development to manage donor data and keep track of fundraising data in CRM system

UW-Madison Statistics Learning Center

Madison, WI

- *Stat 240 Introduction To Data Modeling I Peer Mentor*

Aug 2021 - Dec 2021

- **Attended** the Statistics Learning Center Training and the UW-Madison Tutor Development Conference
- **Helped** students learn by guiding them through problem-solving process in online drop-in office hours

UW-Madison Department of Computer Science

Madison, WI

- *CS 220 Data Programming I Peer Mentor*

Jan 2021 - Present

- **Hold** office hours to help students with labs/projects for general coding issues
- **Lead** lab section to go through lab code or assist TA to address student inquiries
- **Design** weekly quiz questions for course through collaboration in a team of 3

Wisconsin Science and Computing Emerging Research Stars

Madison, WI

- *research fellow & assistant*

Feb 2021 - Present

- **Admitted** from over 90 applicants to CS newly launched, Google-funded, [research mentorship program](#)
- **Research** with [Prof.Vivak Patel](#) about optimization of the backpropagation step to mitigate adjoint decay/explosion in recurrent neural network training through a trainable penalty on weight adjoints
- **Write** Design of Experiments periodically with text, graph, and tables that contain thoughts and findings
- **Test** the validity of method on synthetic or real-world datasets and provide coding support to network training

Jiangyun Intelligence Ltd.

Remote, China

- *machine learning intern*

Feb 2021 - May 2021

- **Applied** computer vision algorithms on real-world industry datasets, including tasks like classification, semantic segmentation, and defect detection in an Agile development environment

UW-Madison Department of Economics

Madison, WI

- *LEAD@econ Mentor*

Feb 2021 - May 2021

- **Selected** to support a freshman mentee by providing career/academic/life advice/resources
- **Engaged** in monthly leadership training with over 50 students to grow personally and professionally

EconEx Research and Data Analysis Extern

Summer 2020

- **Selected** for independent research project performing data analysis of Covid-19 situation in New York
- **Completed** over 15 hours of training on data analysis tools (LinkedIn) and collaborated with the mentor
- **Created** visualizations via Python & Excel and presented findings of Covid impact on retail trends in NYC

PROJECTS

- **Scientometric Analysis on 31 years of IEEE VIS papers (on-going)**: Assist in data-collection and data-cleaning which involves web-scraping and data merge & alignment techniques; conduct literature review and exploratory statistical analysis regarding cleaned data; work with two other PhDs under supervision of Prof.Yea-Seul Kim
- **2020 Data Challenge**: Designed a machine learning model for heart failure prediction with another team member; Completed an analysis report and presented to professors & students; click [hyperlink](#) for more details
- **Customer Churn prediction in Telecommunication industry**: Developed algorithms for Telecommunication customer churn prediction; Evaluated model performance (80.6% accuracy, 65.8% precision, 55.7% recall, 83.3% AUC score for LR) via GridSearch (K-fold cross validation) and selected top features influencing customer retention

PROGRAMMING SKILLS

- **Languages**: Python, Java, R, SQL, LaTeX, HTML, Julia, C++ **Technologies**: Microsoft 365, TensorFlow