

EDUCATION

University of Wisconsin Madison

Madison, WI

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

Sep 2018 – May 2023

PROGRAMMING SKILLS

- **Language:** Python, Java, R, C++, SQL, LaTeX, HTML, Julia, Matlab
Technology: Microsoft (Excel, Word, PowerPoint), TensorFlow, Google Apps Script

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** as one of 19 school-wide to Google-funded, [research mentorship program](#); advised by [Prof. Vivak Patel](#)
 - **Research** optimization of RNN training by mitigating adjoint decay/explosion through a trainable penalty
 - **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; also learnt to label defect images
- **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 32 years of IEEE VIS papers:** 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