Richard Marx

richmarx@umich.edu • richmarx.net • linkedin.com/in/richmarx

EDUCATION

University of Michigan   **Ann Arbor, MI**
Bachelor of Science in Data Science   *April 2022*
GPA: 3.05 / 4.00
Coursework: Web Database and Information Systems, Computer Vision, Data Mining and Statistical Learning, Regression Analysis, Game Theory and Formal Models, Needs Assessment and Usability Evaluation.

WORK EXPERIENCE

University of Michigan, Statistics Department   **Ann Arbor, MI**
Research Assistant   *January 2021 – May 2021*
- Propose systems for rating teams in the English Premier League and predicting future results with up to 87% accuracy.
- Utilize different methods such as Elo rating systems, linear regression models, logistical regression models.
- Use R to develop and test models on real world Premier League data from 2007-2019.

University of Michigan ITS Tech Shop   **Ann Arbor, MI**
Sales Consultant   *May 2019 - Present*
- Advise customers on purchasing decisions with new computer systems, peripherals, and software offerings.
- Answer questions about computer configurations and assist with product and price comparisons.
- Process sales transactions accurately and efficiently on a point-of-sale system with a multi-disciplined dynamic team.

Office of New Student Programs at the University of Michigan   **Ann Arbor, MI**
Orientation Residential Staff   *May 2019 – August 2019*
- Perform administration of evening residential aspects of the orientation program to ensure a good experience.
- Introduce and model U-M's community rights and responsibilities while assisting thousands of students throughout the program.
- Respond to all violations of university policies and/or laws by orientation participants.
- Maintain confidentiality of sensitive student, staffing, and program information.

PROJECT EXPERIENCE

Instagram Clone
- Built an Instagram clone using server-side, client-side dynamic pages and a REST API.
- Write a client application in JavaScript running in the browser, making asynchronous AJAX calls to the REST API.

Log Manager
- Parses through hundreds of thousands of log messages, searching by timestamp, category, and keyword.
- Manages logs by adding, deleting, moving, sorting, and editing log messages.
- Time efficient, can do all functions in a few seconds or less, while being responsive to the user.

LANGUAGES AND APTITUDES

- C++, C, Python, R (R Studio), JavaScript, SQL, HTML, CSS, VS Code, Linux, Jupyter, Excel, French (Dual Citizen)

LEADERSHIP EXPERIENCE / ACTIVITIES

WOLV TV   **Ann Arbor, MI**
Producer   *September 2017 – May 2021*
- *Michigan Time* and *The Entertainment Buzz* - Political Satire and Entertainment News
- In charge of all facets of production, and production teams of more than 10 people.
- Manipulate platforms to increase viewership, such as overhauling the WOLV TV YouTube page.

Survivor: Michigan   **Ann Arbor, MI**
Director, Producer   *December 2018 – Present*
- Administered filming. Direct 5 or more cameras simultaneously on what and where to film. Confirm all needed footage is shot.
- Managed marketing and social media pages, as well as creation of advertisements.
- Collaborate with a team to create a semester long competition for students.

Couzens Hall Council   **Ann Arbor, MI**
Chair of Outreach   *September 2018 – May 2019*
- Conducted marketing and outreach operations such as creating and distributing advertising for events.
- Served as primary contact for campus partners.
- Choose where funding was spent in dormitory.