JACK BURRIGHT

899 Oak Court Eagan, MN 55123
Jrburright@gmail.com | 651-492-6673 | https://Jackburright.github.io/

EDUCATION

Creighton University, Omaha, NE – Graduated summa cum laude — May 2024
Bachelor of Science in Computer Science with Minor in Data Science — GPA 3.9

SKILLS

Technical Skills: Java, Python, Selenium, Keras, REST, HTML, CSS, JavaScript, React, SQL, R, Git, WordPress, and Netlogo

EXPERIENCE

ShineForth, Omaha, NE — September 2023 – March 2024
Software Developer Intern

- Performed maintenance for client websites in WordPress, Next.JS, JavaScript, CSS, and HTML
- Utilized Python to develop a Selenium-based web scraper, to extract data from various government websites
- Communicated with team in Agile environment to update on project progress

Creighton University, Omaha, NE — June 2022 – May 2024
Research Assistant

- Designed and trained deep learning models in Python using Keras and Scikit-learn to classify mobs
- Responsible for designing, creating, and maintaining a MySQL database with over 100,000 records
- Coded agent-based models in NetLogo to simulate the mob phenomenon
- Utilized Meetup's GraphQL API to gather ground truth data about past mobs

NBA Total Score Predictor — December 2023
Academic Project

- Utilized deep learning to predict over/under prop bets for upcoming NBA game totals
- Built a React and Spring Boot website to compare predictions to other sports books to find a betting edge

Big Brothers Big Sisters, Omaha, NE — June 2022 – March 2024
Mentor

- Role model for an at-risk ten year old in the Omaha community

PUBLICATIONS AND PRESENTATIONS

Accepted Conference Publication and Session Presentation
Al-khateeb S., **Burright J**., Fernandes S. & Agarwal N., "Analyzing and Predicting Meetup Mobs Outcome Via Statistical Analysis and Deep Learning", (SBP-BRiMS 2024), Pittsburgh, Pennsylvania

Journal Publication
Al-khateeb S., **Burright J**. & Agarwal N., "Evaluating collective action theory-based model to simulate mobs." *Soc. Netw. Anal. Min.* 14, 127 (2024). https://doi.org/10.1007/s13278-024-01284-z

Conference Publication and Session Presentation
Al-Khateeb S., **Burright J.**, Murray R. and Agarwal N., "An Agent-Based Model of Mobs Using Theoretical Constructs of Collective Action," *2023 Annual Modeling and Simulation Conference (ANNSIM)*, Hamilton, ON, Canada, 2023, pp. 258-269.

AWARDS

Dean's Service Honor Roll, Creighton University — January 2022 – May 2024
College of Arts and Sciences Dean's List, Creighton University — August 2021 – May 2024
Dean's Award for Distinguished Graduate Creighton University — May 2024