

# JACK BURRIGHT

899 Oak Court Eagan, MN 55123

Jrburright@gmail.com | 651-492-6673 | <https://Jackburright.github.io/>

## EDUCATION

---

<b>Creighton University</b> , Omaha, NE – Graduated summa cum laude Bachelor of Science in Computer Science with Minor in Data Science	May 2024 GPA 3.9
---	---------------------

## SKILLS

---

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

## EXPERIENCE

---

<b>ShineForth</b> , 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

<b>Creighton University</b> , 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

<b>NBA Total Score Predictor</b>	December 2023
----------------------------------	---------------

*Academic Project*

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

<b>Big Brothers Big Sisters</b> , Omaha, NE	June 2022 – March 2024
---	------------------------

*Mentor*

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

## PUBLICATIONS AND PRESENTATIONS

### Conference Publication and Session Presentation

"An Agent-Based Model of Mobs Using Theoretical Constructs of Collective Action", 2023 Annual Modeling and Simulation Conference (ANNSIM 23). Mohawk College, Ontario, Canada

### Poster Session

"Utilizing NetLogo to Simulate Mobs: An Agent-based Modeling Approach", National Conference of Undergraduate Research 2023 (NCUR 23). University of Wisconsin-Eau Claire, Eau Claire, Wisconsin

### Poster Session

"Sentiment of Health; Twitter Analysis", The Global Health Conference Midwest 2023. Creighton University, Omaha, Nebraska

## AWARDS

---

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