

# Robert J. Kirkpatrick

11900 Van Dorn Street Walton, NE 68461

(402) 875-3183 | robert.kirkp14@gmail.com | kirkpatrickventures.com

## EDUCATION

### University of Nebraska–Lincoln

August 2017 – Expected May 2022

- **Degree:** Bachelor of Science in Software Engineering
- **Minors:** Business, Mathematics

## WORK EXPERIENCE

### University of Nebraska–Lincoln

August 2018 – Present

#### *Learning Assistant*

August 2018 – Present

- Hold office hours weekly to help students learn lecture material and complete programming assignments for CSCE 155E and CSCE 156
- Grade assignments in a timely manner and discuss outcomes with students
- Lead technical labs for students to get hands on experience with Java and C programming concepts

#### *Course Leader*

August 2019 – December 2019

- Collaborated with instructors to structure the course's learning objectives and relayed learning assistants' concerns and difficulties
- Evaluated learning assistants during their office hours, delegated grading assignments, and conducted meetings with learning assistants to collect data regarding the operational status of the program

### Buildertrend

May 2019 – August 2019

#### *Software Development Intern*

- Attended multi-week training boot-camp to learn various languages and frameworks utilized at Buildertrend, culminating in an intern-led full stack project
- Assisted with the rebuilding of Buildertrend's website, utilizing new technologies, including react, while maintaining existing functionality
- Communicated progress and goals with team members to update current status and ensure efficient workflow

### Northrop Grumman

May 2018 – August 2018

#### *Software Technical Intern*

- Worked on a team of software engineers to develop a Data as a Service application
- Researched predictive analytics and machine learning algorithms to be used to evaluate satellite positions
- Wrote SQL programs to compute the visible field of view for a satellite

## LEADERSHIP & EXTRACURRICULAR EXPERIENCE

### Phi Kappa Theta Fraternity

August 2017 – Present

#### *Secretary*

January 2019 – January 2020

- Recorded meeting occurrences according to standard parliamentary procedure and distributed minutes among active members
- Attended weekly executive council meetings to discuss direction of the fraternity and vote on key policies
- Organized the schedule, communicated events, and logged meeting attendance
- Directed the technology chair, public relations chair, and historian through quarterly committee meetings to ensure they were fulfilling their respective position's responsibilities and requirements

#### *Technology Chair*

January 2018 – January 2019

- Updated external facing website to reflect relevant and new information
- Maintained functionality of the internal website and assigned user level permissions
- Troubleshooted technical problems throughout the chapter and executed special projects for the executive board

### Formula SAE

August 2017 – August 2018

#### *Electronics Team Member*

- Designed and fabricated a race car with specific regulations to compete in national competitions
- Collaborated with other electrical team members to design the electrical systems and software needed for the car

## PROGRAMMING LANGUAGES

- Competent: Java, SQL, TypeScript, C
- Some knowledge: C#, Python, JavaScript

## TOOLS & FRAMEWORKS

- Competent: React
- Some knowledge: Django, .NET, Entity