

Robert J. Kirkpatrick

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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

Course Leader

August 2019 – Present

- Collaborate with instructors to structure the course's learning objectives and relay learning assistants' concerns and difficulties
- Evaluate learning assistants during their office hours, delegate grading assignments, and conduct meetings with learning assistants to collect data regarding the operational status of the program

Learning Assistant

August 2018 – May 2019

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

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 – Present

- Record meeting occurrences according to standard parliamentary procedure and distribute minutes among active members
- Attend weekly executive council meetings to discuss direction of the fraternity and vote on key policies
- Organize the schedule, communicate events, and log meeting attendance
- Direct the technology chair, public relations chair, and historian through quarterly committee meetings to ensure they are 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