

Robert J. Kirkpatrick

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EDUCATION

University of Nebraska–Lincoln

Expected May 2021

- **Degree:** Bachelor of Science in Computer Engineering
- **Minors:** Business, Mathematics
- Cumulative GPA: 3.5/4.0

Pius X High School

May 2017

- High school Diploma

LEADERSHIP EXPERIENCE

Technology Chairman – *Phi Kappa Theta Fraternity*

August 2017 – Present

- Update external facing website to reflect relevant and new information
- Maintain functionality of the internal website and assign user level permissions
- Troubleshoot technical problems throughout the chapter and execute special projects for the executive board
- Volunteer and raise money through fraternity sponsored events to give to the TeamMates Mentoring Program
- Pursue excellence in the fraternal pillars: spiritual, social, intellectual, fraternal, and leadership

Pius X Ambassadors

August 2014 – May 2017

- Promoted diversity, worked to make all students feel welcome, and prevented bullying

Pius X Campus Ministry Team

August 2015 – May 2017

- Planned events, activates, and days to promote values central to the school's mission

WORK EXPERIENCE

University of Nebraska–Lincoln – *Learning Assistant*

August 2018 – Present

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

Northrop Grumman – *Software Technical Intern*

May 2018 – August 2018

- 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

Union Bank & Trust – *Teller*

May 2017 – October 2017

- Executed a wide range of transactions, ensuring money was transferred between the proper accounts
- Assessed customers' banking needs, suggested relevant financial solutions, and provided excellent customer service

EXTRACURRICULAR ACTIVITIES

Formula SAE

August 2017 – Present

- Design and fabricate a race car with specific regulations to compete in national competitions
- Collaborate with other electrical team members to design the electrical systems and software needed for the car

Pius X Players Theatre Cast and Crew

September 2015 – May 2017

- Built theatre sets and ensured props and sets were prepared and in proper location during rehearsals and performances
- Rehearsed songs, dances, and dialog to create a successful performance

Pius X Marching/Concert Band, Men's Choir, and Show Choir

September 2013 – May 2017

- Adjusted personal performance to match others to produce one, unified sound

PROGRAMMING SKILLS

- C, Java (proficient)
- Python, SQL (basic exposure)