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 SAEAugust 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 CrewSeptember 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 ChoirSeptember 2013 – May 2017**

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

**PROGRAMMING SKILLS**

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