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

Design Studio: Heyday   *August 2020 – May 2021*
- Designed and implemented the backend of a financial management app from scratch using Python and Django
- Assisted in testing and coding the frontend application in React Native used by approximately 2,000 college students

WORK EXPERIENCE

Nelnet   **May 2021 – Present**
.NET Applications Development Intern
- Build backend applications including a C# API to support the conversion of Nelnet's internal loan consolidation platform
- Analize loan data and create stored procedures in SQL server to interact with the data in an efficient and scalable way

Sandhills Global   **September 2020 – March 2021**
Mobile Development Intern
- Developed native android applications to facilitate Sandhills Global's auction platforms

Hudl   **May 2020 – August 2020**
Software Development Intern
- Enhanced Hudl's full-stack payment and subscription management systems to improve performance and user experience
- Collaborated with full-time dev team, utilizing scrum and agile, to plan and design work for upcoming sprints
- Brainstormed solutions and supplied technical knowledge to assist team members in their development work

University of Nebraska–Lincoln   **August 2018 – May 2020**
Learning Assistant and Course Leader
- Held weekly office hours, led technical labs, and graded programming assignments to help students learn course material
- Evaluated learning assistants during their office hours, delegated assignment grading, and conducted meetings with learning assistants to collect data regarding the operational status of the program

Buildertrend   **May 2019 – August 2019**
Software Development Intern
- Assisted with the rebuilding of Buildertrend's website under new frameworks, including react, driving improved performance and usability while maintaining existing functionality

Northrop Grumman   **May 2018 – August 2018**
Software Technical Intern
- Researched and recommended predictive analytics and machine learning algorithms for evaluating satellite positions
- Wrote SQL programs to compute the visible field of view for satellites that assisted soldiers in missions

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Girls Code Lincoln   **July 2021 – Present**
Volunteer
- Create coding lessons for a non-profit to help young girls learn STEM

Phi Kappa Theta Fraternity   **August 2017 – May 2021**
Secretary   *January 2019 – January 2020*
Technology Chair   *January 2018 – January 2019*
- Attended weekly executive council meetings to discuss direction of the fraternity and voted on key policies
- Organized and communicated fraternity schedule and directed the technology chair, public relations chair, and historian through quarterly committee meetings to ensure they were fulfilling their respective position's responsibilities

PROGRAMMING LANGUAGES
- Proficient: C#, JavaScript, Python, SQL, TypeScript
- Familiar: C, Dart, HTML/CSS, Java, Kotlin, Visual Basic

TOOLS & FRAMEWORKS
- Proficient: Dapper, Django, Entity, .NET, React
- Familiar: Firebase, Flutter, GraphQL, Razor, Xamarin