

Jack Arens

(402) 760-1010

jack@jackarens.com

Objective

I am seeking a full-time position in the cybersecurity field with an emphasis on secure software development, network security, and information assurance.

Education

University of Nebraska at Lincoln

Expected Graduation: December 2021

Jeffrey S. Raikes School of Computer Science and Management

- Highly selective honors program that focuses intensively on computer programming, business strategy, and effective leadership
- Bachelor of Science in Computer Engineering with minors in Business and Mathematics
- Relevant Courses: Data and Network Security, Software Security, Cybersecurity Law, Business Strategy
- GPA: 3.94

Work Experience

Lead Embedded Systems Engineer (*Lincoln, NE*)

November 2020 – Present

University of Nebraska-Lincoln and the National Strategic Research Institute

- Designed an embedded systems architecture for data intake, transmission, and aggregation.
- Coded a low-level, interconnected, memory sensitive solution for running on ATmega 2560 microprocessor.
- Worked on a project with sensitive data concerns that required secure information handling techniques.

Cyber Architecture Intern (*Remote to Phoenix, AZ*)

May 2020 – August 2020

Honeywell International Inc.

- Wrote, presented, and published a security architecture model on Azure Government Cloud Computing for corporate use.
- Reviewed security service requests for Honeywell teams and products to ensure compliance with secure practices.
- Developed a security position statement on the topic of homomorphic encryption for the enterprise security library.

Cyber Systems Intern (*Annapolis Junction, MD*)

May 2019 – August 2019

Northrop Grumman Corporation

- Contributed to a back-end Java program for detecting conflicting cyber and air missions for mission planners.
- Developed a front-end solution for viewing cyber resources and their association along with vulnerability levels.

Cyber Systems Intern (*Herndon, VA*)

May 2018 – August 2018

Northrop Grumman Corporation

- Built and deployed tools for cataloging and displaying project outcomes for internal users with Microsoft SharePoint.
- Researched cutting-edge technologies for possible integration into project workflow for R&D teams

Projects

Product Recommendation Engine (*Lincoln, NE*)

August 2020 – Present

The Buckle, Inc.

- Coordinated team schedules, prioritized project features, and was main point of contact as the Project Manager for a team of five.
- Oversaw the development of a neural network based product recommendation engine for use across The Buckle's operating domain.

Interactive Analytics Dashboard (*Lincoln, NE*)

August 2019 – May 2020

Nelnet – PaymentSpring

- Served as the Development Manager for a team of six colleagues working on a corporately sponsored project.
- Led the development of a full-stack, containerized information processing and analytics dashboard for credit transaction interchange fees.

Extracurricular Activities

Phi Kappa Theta Fraternity (*Nebraska Pi Chapter*)

August 2017 – Present

- Served as Nu Class Judicial Council Representative and Chapter Secretary, assisting in leading an 80-man fraternity through a global pandemic.
- Oversaw the transition of our internal web portal to a Google Compute Engine hosted Moodle instance for financial savings and efficiency.

Campus Recreation Advisory Council (*Lincoln, NE*)

April 2018 – May 2020

- Held a position on the governing council for the University of Nebraska-Lincoln's campus recreation facilities.
- Chaired two subcommittees focused on Outdoor Recreation and Technology/Marketing.

DefCon and InfoSec Group (*Severn, MD*)

May 2019 – August 2019

- Participated in community capture-the-flag events at a local hacker space.
- Attended speakers presenting on digital forensics, penetration testing, and information security.

Skills

Programming: Java, C, JavaScript, SQL, HTML, CSS, C# (Proficiency) and PHP, MySQL/PHPMyAdmin (Familiarity)

Software: IntelliJ, Adobe InDesign, Microsoft SharePoint, Draftsight, Git

Certifications: DoD Top Secret Clearance