**Austin J. Krekula**

**Cyber Security Engineer**

* Permanent: 923 Dandridge Dr. Fayetteville, NC
* Campus: 2816 Arbor St. Ames, IA, 50014
* [akrekula@iastate.edu](mailto:akrekula@iastate.edu) | [krekulaustin@gmail.com](file:///C:\Users\user\Documents\School\WORKINTERN\krekulaustin@gmail.com)
* [LinkedIn: krekula-austin](https://www.linkedin.com/in/austin-krekula-a48a32b0)
* (515) 943-6156

**Education**

* **Iowa State University**, Ames, IA Starting Date: Jan 2019
  + Bachelor of Engineering Degree: Cyber Security Engineering. Expected Graduation: May 2024
  + GPA: 3.36/4.0

**Work Experience**

* **Iowa Army National Guard**

*Detachment 1st Platoon Assistant Platoon Leader 831st Engineer*  Jul 2020- Present

* Drafts job site binders for construction job sites, detailed goals, specifications, methods, and developing situations.
* Personnel management of group of 40+ individuals, organizes task delegation, and maintains goal-oriented posture.

*Communications Section Leader 186th Military Police*  Mar 2020-Jul 2020

* Trained other soldiers in the use of radios, computer literacy, and other forms of communications equipment.
* Supervised communications equipment, including coordinating repairs and administrating documentation.
* Drove preparedness for COVID-19 mobilization, including preparing fleet of 10 HMMWV’s with radios.

*Communications Section Leader 831st Engineer* Aug 2018-Mar 2020

* **Omaha District Army Corps of Engineers**

*Cyber Security Engineering Technician*  May 2023 – July 2023

* Reviewed electrical and control system design specifications to ensure implementations were in-line with risk management publications: NIST SP 800-53, NIST SP 800-37, UFC 4-010-06, DoDI 8510.01, and DoDI 8500.01.
* Coordinated content between documents: design specification, design analysis, contract specification, and federal cyber policy applied to the Army Corps of Engineers to ensure projects were meeting policy standards.

**Collegiate Experiences**

* **ISU** **Reserve Officer Training Corps** Jan 2019 - Present
  + Leads teams of 40 people in high stress, goal-oriented, complex tasks within short to mid-range time frames.
  + Led fund raising for program up to $5000; coordinated working groups of cadets with organizations.
  + Experience delegating tasks to peers with leadership or other special skills.

**Course Project Highlights**

* **Computer Engineering Embedded Systems**

*Integration of ARM Cortex M4 based Microcontroller with various I/O*  Aug 2021-May 2022

* + Interrupt service routines (ISR), Memory Mapped I/O.
  + Simplified processor architecture, program & data memory structure.
  + UART base serial communication.
  + Pulse Width Modulation (PWM).
* **Computer Organization & Assembly Programing**

*Processor Chip Design, Single Cycle and Pipeline Processors* Jan 2022-May 2022

* + Programed in MIPS assembly language; translated C into MIPS assembly code.
  + Designed single-cycle processor including its control and Datapath.
  + Designed in-order processor pipeline with handling of control and data hazards.

**Honors and Awards**

* Arts and Sciences of National Defense, Reserve Officers Association. Spring 2021
* Soldier of the Year, 734th Regional Support Group. Fall 2019
* Honor Graduate, Advanced Individual Training. Spring 2018-Summer 2018
* Honor Graduate, Basic Training. Fall 2017-Spring 2018

**Skills**

Python|C|Java|Computer Forensics|Reverse Engineering in Hardware/Software|Network Protocols|Information Security Theory|