

Noah M. Snelson

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EDUCATION

University of Nevada Reno

Class of 2021

B.Sc., Computer Science and Engineering

Cumulative GPA: 3.3 | Major GPA: 4.0

EXPERIENCE

Information Security Intern, University of Alaska

(Sep 2018 - Aug 2019)

Responsible for investigating possible breaches of network security and improving information security workflow. Designed and developed internal search engine web app for firewall and network traffic. Wrote Python scripts for automated reporting and analysis of known vulnerabilities.

Service Desk Technician, University of Alaska Office of IT

(Jan 2018 - Sep 2018)

Used domain knowledge of IT environment to assist in processing and resolving of support tickets across broad range of technologies. First point of contact of Office of IT with customers, utilized customer service skills to offer positive customer experience.

PROJECTS

Qalgu

Tools used: Python, PyTorch, Flask, ReactJS, AWS

Machine learning model that learns to translate from English to the native Alaskan Iñupiaq language. Model written using PyTorch for deep learning algorithms and pandas for data manipulation. Web app written in Flask framework for backend with frontend written with React and Bootstrap.

Stockade

Tools used: Python, Flask, JavaScript, HTML/CSS

Web app that allows users to simulate stock trading in real-time with historical financial data. Backend API server written in Flask, frontend written in vanilla JavaScript with Bootstrap.

OneUp

Tools used: Haskell, ReactJS, HTML/CSS, AWS

Social media site where users can upload and share videos. Videos are persistently stored via AWS, and user authentication is safely managed using third-party authentication. The site also using CSS media queries to provide a smooth experience on both mobile and desktop.

EXTRACURRICULARS & VOLUNTEERING

Cyber Security Club, University of Nevada Reno

Participated in activities focused on cybersecurity topics such as network security, malware analysis, and social engineering through lectures and mock network penetration scenarios.

SKILLS

Software Engineering: Proficient in languages including Haskell, Python, C++, and Rust. Also experienced in assisting technologies such as SQL, bash scripting, git, and AWS.

Data Science & Machine Learning: Solid statistical background, familiar with relevant Python packages such as NumPy, pandas, scikit-learn, and PyTorch.

Web Development: Proficient with frontend technologies including HTML/CSS, JavaScript, and frameworks like React. Familiar with backend technologies including Node.js/Express, Flask and Haskell-Servant.