Noah M. Snelson

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EDUCATION

University of Alaska Fairbanks   Class of 2021
B.Sc., Computer Science & Minor, Statistics
Cumulative GPA: 3.5 | Major GPA: 4.0

EXPERIENCE

Information Security Intern, University of Alaska   (Sep 2018 - present)
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, JavaScript, React, 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, REST API
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.

CSPaint   **Tools used:** C++, SFML, CMake
Desktop paint application wherein users can create and save sketches and animations. Application written in C++ with SFML library for GUI with version control and collaboration managed through GitHub.

EXTRACURRICULARS & VOLUNTEERING

CyberSecurity Club, University of Alaska Fairbanks
Participated in activities focused on cybersecurity topics such as network security, malware analysis, and social engineering through lecture and mock network penetration scenarios.

SKILLS

Software Engineering: Proficient in languages including Haskell, Python, C++, and Java. Also experienced in relevant 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 ReactJS. Familiar with backend frameworks including Node.js/Express, Flask and Haskell-Servant.