Kevin Lee

<Active Security Clearance>

EDUCATION

University of Southern California   May 2022
B.S. Computer Science - Viterbi School of Engineering
University of Edinburgh, Semester Study Abroad   September 2021
Honors: Army ROTC Full Scholarship, Pathway Oregon Full Scholarship, Armed Forces Communications & Electronics Award, Dean's List

WORK EXPERIENCE

Microsoft - Software Engineer, *Redmond WA*   Aug 2022 – Present
- Edge Growth & Feedback Team responsible for web features and experimentation analysis on the browser.
- Working in Chromium (C++ Google Chrome codebase) and aiding with sentiment analysis using machine learning to improve feedback
- Leading efforts in creating and managing data pipelines in COSMOS (big data) writing SCOPE scripts.

Broad Institute of MIT and Harvard - Researcher, *Boston MA*   May 2022 – September 2022
- Laboratory of Guoping Feng
- Provided a tool to classify to thalamic subnuclei from MERFISH scans (in situ hybridization data) using Azure
- 2nd Place in Microsoft Global Hackathon Industry Executive Challenge leading a team of 16 people

U.S Army – Cadet, *Los Angeles CA*   Sept 2017 – May 2022
- Continued to fulfill all duties in training and coursework as a cadet at University of Southern California
- Field training consists of small-unit tactical operations and land navigation with an emphasis on leadership
- Coursework focuses on military science, civil-military affairs, military process, and leadership behavior

Army Cyber Command - Software Engineer, *West Point NY*   May 2021 – Aug 2021
- Developed supervised classification algorithms (SVM) to classify different Dos, DDos, and Bot attacks in Network Intrusion Detection Systems (NIDS) achieving an experimental accuracy of 96%+ using CSE-CIC-IDS 2018.
- Deployed ELK Stack (Kibana, ElasticSearch) querying log files with Filebeat from WireShark to process and monitor in Elastic Security over live network

Red Berry Innovations – Cyber Engineer Intern, *Omaha NE*   April 2020 – June 2020
- Classified continuous binary sensor data from a CAN bus from a vehicle using convolutional neural networks
- Obtained vehicle information from ambiguous dynamic data to determine vehicle movement and location tracking without GPS

NASA Jet Propulsion Laboratory – Software Engineering Intern, *Pasadena CA*   June 2019 – August 2019
- Mars Mission Operations Team developing an RTG power improvement model for an increased efficiency of 8-12% of the Curiosity rover
- Used marginal data analysis to view 500+ soles of each activity execution time using elasticsearch, python data tools (pandas, numpy, plotly), and graphs using d3.js
- Invited to present work at the annual 2020 NASA conference

VOLUNTEER ACTIVITIES

COVID-19 Vaccination Distribution - Sanitation Officer, *Corvallis OR*   March 2021 - April 2021
- Overlooking vaccine sites ensuring locations are following prompt guidelines for sanitation

Google Developer Student Club – Founder & President, *Los Angeles CA*   May 2019 - April 2020
- Instituted and led USC organization to assist local NGO's and local businesses in local community in Los Angeles

Global Aid Network (GAiN) – Volunteer, *Uganda Africa*   April 2018
- Hosted medical eye clinics and assisted poverty alleviation in rural villages near Kampala and Hoima

INTERESTS

Interests: Humanitarian Aid, Sustainable Energy, Artificial Intelligence, Surfing