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

Broad Institute of MIT and Harvard - Computational Neuroscientist, *Boston MA*   May 2022 – Present
- Studying the function of synapses and their disruption in animal models of neurodevelopment and psychiatric disease reporting to Guoping Feng

U.S Army – MSV Cadet, *Los Angeles, CA*   Sept 2017 – May 2022
- Continuing 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

Military Cyber Command - Data Scientist, *West Point, NY*   May 2021 – Aug 2021
- Develop a supervised classification algorithm (SVM) to classify cyber attacks (Dos, DDos, Bot, Benign) with Network Intrusion Detection Systems (NIDS) achieving a experimental accuracy of 96%+
- 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
- Obtain vehicle information from ambiguous dynamic data to determine vehicle movement and location tracking without GPS.

NASA Jet Propulsion Laboratory – Software Engineering Intern, *Los Angeles, CA*   June 2019 – August 2019
- Worked on the Mars Curiosity rover with the Mars Mission Operations team to improve rover efficiency by 8-12%
- Used marginal data analysis to improve execution time using tools such as AWS (elasticsearch), python data tools (pandas, numpy, plotly), and graphs using d3.js
- Invited to present work at the annual 2020 NASA conference

University of Oregon Solar Radiation Monitoring Lab – Research Student, *Eugene, OR*   Sept 2017 – June 2019
- Translated and assisted in writing programs that analyze solar sensor data from 20+ observing stations

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

SKILLS & INTERESTS

Skills & Tools: Tableau, ELK stack, Python, C, C++, Java, R, Kali Linux, AWS, SQL, Adobe Suite, relational databases, PostgreSQL, Agile
Interests: Humanitarian Aid, Sustainability, Data Science, Cyber Security, Surfing