Kevin Lee

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EDUCATION

University of Southern California May 2022
B.S. Computer Science - Viterbi School of Engineering
Study Abroad - University of Edinburgh (Fall 2021)

WORK EXPERIENCE

U.S Army – MSV Cadet, *Los Angeles, CA* Sept 2017 – Present
- 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

U.S Army Cyber Command - Data Scientist, *West Point, NY* May 2021 – Aug 2021
- Improving ML/DL networks to classify cyber attacks with Network Intrusion Detection Systems (NIDS) achieving a experimental accuracy of 96%+
- Ransomware research based on NIST CyberSecurity Framework and CISA guidelines
- Developed ELK Stack querying log files with Filebeat from Zeek/WireShark to process and monitor in Elastic Security
- Using Tableau, Kibana, and python libraries (Seaborn, Plotly, Matplotlib) to visualize data

SPADA Mortgages – Technology Project Manager, *Los Angeles, CA* June 2020 – April 2021
- Exploring and creating ways for automation in areas between loan originators and clients for faster loan processing
- Implemented Twilio's API for streamline central communication line (IVR, SMS, AI bots)

USC Military and Veterans Initiatives – Assistant Program Manager, *Los Angeles, CA* Jan 2020 – Aug 2021
- Supporting student-veterans in academic success, career development, and project development

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
- By classifying sensor data, we were able to determine where the vehicle traveled without a GPS
- Gained experience using agile methodologies

NASA Jet Propulsion Laboratory – Software Engineering Intern, *Pasadena, 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

USC Google Developer Student Club – Founder & President, *Los Angeles, CA* May 2019 - April 2020
- Created an organization sponsored by Google to help local NGOs and businesses in Los Angeles at USC

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 *<Active Security Clearance>*: Python, C++, C, Java, Korean, Kali-Linux, Vi, Unix, Darknet, bash, R, C#, JavaScript, SQL, Tableau, S3, Maven
Interests: Humanitarian Aid, Sustainability, Data Science, Cyber Security, and Surfing