

Kenny Le

480-604-4888 | kennyle43@gmail.com | <https://www.linkedin.com/in/kennylethatsme/> | <https://ogken03.github.io/portfolio/>

EDUCATION

Arizona State University

Bachelor of Science (B.S.) in Computer Science (Cybersecurity) — GPA: 4.0

Tempe, AZ

Aug. 2021 – May 2025

EXPERIENCE

Software Engineering Intern

Sept. 2024 – Present

FOX Corporation

Tempe, AZ

- Designed a scalable, serverless pipeline to synchronize data between two IPAM systems using AWS Lambda and Python, leveraging async functions and threading to parallelize API calls, cutting synchronization time by 50%.
- Developed a RAG system leveraging an LLM on AWS Bedrock, integrating knowledge bases and agents to dynamically interact with over 10,000 devices for intelligent information retrieval.
- Built a Vue.js frontend to handle WebRTC streams from services, parsing byte data and presenting it through a real-time, interactive UI.
- Collaborated with Cloud and DevOps teams to streamline deployment by automating Terraform workflows.

Distribution Engineering and Architecture Intern

Feb. 2024 – July 2024

FOX Corporation

Tempe, AZ

- Selected for FOX's Intern Spotlight series where outstanding interns are highlighted.
- Integrated Python scripts into production workflow, automating collection of over 100 IP addresses via server interaction with MediaKind Receivers and sending them to Splunk for monitoring and analysis.
- Created web application for Crestron systems to receive and display live information using Django, HTML, CSS, and JavaScript. Deployed application with NGINX and Gunicorn on Docker in a Linux environment.

Undergraduate Researcher, Biocomputing Scholars Program

Oct. 2024 – Feb. 2025

Biodesign Center for Biocomputing, Security and Society

Tempe, AZ

- Simulated on-path VPN attacks using Vagrant and VirtualBox, configuring a virtual network of 3+ routers and edge nodes, and deploying VPN and DNS servers to successfully test and analyze DNS injection techniques
- Utilized an Android app that generates TCP packets to analyze and manipulate network filters, observing how traffic is processed through different filtering mechanisms.

Teaching Assistant

May 2023 – July 2023

Arizona State University

Tempe, AZ

- Led office hours with hands-on Java and OOP lessons, guiding students to improve programming design.
- Led instructional sessions on MIPS architecture and processor fundamentals.

PROJECTS

Air Traffic Listener | Python, Tkinter, RTL-SDR

- Successfully created a real-time air traffic control receiver using Python, Tkinter, and RTL-SDR to tune into and capture ATC transmissions by manipulating frequencies in the 118–137 MHz band.
- Designed and optimized an FM demodulation workflow with threading for continuous audio streaming, showcasing proficiency in numpy, scipy, sounddevice, and efficient handling of high-volume data streams.

Boba Finder | Python, Google API

- Applied Google API to enable location-based searches for boba tea shops, enhancing user convenience.
- Designed an intuitive and visually appealing UI to enhance the overall user experience.

AWS Hackathon (2nd Place) | AWS Lambda

- Built a COVID-19 Tracker that processed 100,000+ data points, achieving prediction accuracy.
- Utilized AWS services to handle data ingestion and analytics, reducing query latency by 40%.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML, CSS, C#

Frameworks/Platforms: React, Vue.js, AWS, Azure, .NET, Django,

Tools: Git, Splunk, Postman, Jira, Metasploit, JUnit, Pytest, Terraform, Wireshark, Docker, PostgreSQL, Kali Linux, VirtualBox, Swagger, Bash, Unity, Autopsy, pgAdmin