Kenny Le

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Education

Arizona State University Tempe, AZ

Bachelor of Science in Computer Science (focus in Cybersecurity)—— GPA: 3.98 *August 2021 - May 2025*

Experience

Software Engineering Intern Sept 2024 - Present

FOX Corporation *Tempe, AZ*

- Designed a scalable solution with Python, AWS Lambda, and S3 buckets utilizing async functions and threading, improving data sync efficiency by 50%.
- Developed a Retrieval-Augmented Generation system leveraging an LLM on AWS Bedrock, integrating knowledge bases and agents to dynamically interact with over 10,000 devices for intelligent information retrieval.

Undergraduate Researcher, Biocomputing Scholars Program October 2024 - Present

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

Distribution Engineering and Architecture Intern February 2024 - July 2024

FOX Corporation *Tempe,AZ*

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

Grader Jan. 2023 – Present

Arizona State University *Tempe, AZ*

- Evaluated assignments and code for courses including Logic in Computer Science (CSE 259), Principles of Programming (CSE 110), and Computer Organization/Assembly Language (CSE 230).

Teaching Assistant May 2023 – July 2023

Arizona State University *Tempe, AZ*

- Provided guidance on Java and Object-Oriented Programming principles. Led instructional sessions on MIPS architecture and processor fundamentals.

Projects

Digital Portfolio (https://ogken03.github.io/portfolio/) | *JavaScript, CSS, HTML, GitHub Pages*

- Ensured optimal user experience by creating a responsive layout that adjusts to screen sizes.
- Deployed on GitHub Pages for easy accessibility and sharing.
- Added interactive features and dynamic content for improved UX.

Boba Finder | *Python, Google API*

- Applied Google API to enable location-based searches for boba tea shops, enhancing user convenience.
- Displayed comprehensive details about each boba tea shop, including prices, ratings, and precise locations.
- Incorporated music features to add an entertaining element while users explore boba tea options.
- Designed an intuitive and visually appealing UI to enhance the overall user experience.

Solstice RF Platform (Intel) | *Python*

- Created UI using PyQt to interact with models
- Streamlined process of data manipulation and Interaction through UI

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++, MySQL, JavaScript, HTML/CSS, C sharp
Skills/Competencies: Git, Splunk, Postman, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Linux, Wireshark, Bash, CentOS, Pentesting, .NET, Django, Docker, React, AWS, REST API, Agile, Jupyter, Terraform, Vagrant, Azure