

# TaeHyun (Eric) Kim

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## Education

**Bachelor of Science in Informatics** | University of Washington – Seattle | June 2024c

Focus – Software and Cybersecurity

### Relevant Coursework

INFO 310: Information Assurance & Cybersecurity

INFO 340 & CSE 154: Web Development

CSE 142 & 143: Algorithms and Data Structures

### In-Progress Coursework

INFO 312: Enterprise Risk Management

INFO 330: Databases and Data Modeling

## Technical Skills

Programming Languages:	Python, Java, Kotlin, JavaScript, Go, SQL, Bash, R
Frontend Technologies:	Next.js, React, Sass, Android, Adobe XD, Adobe Illustrator, Figma
Backend Technologies:	Node.js, Apache, Nginx, Django, Redis, PostgreSQL, MariaDB, SQLite
Tools:	Grafana, Prometheus, Ansible, Wireshark, Nmap, Docker, OpenSSL, WireGuard, OpenVPN, UPS NUT, Git, Fail2Ban
Operating Systems:	Cisco IOS, RouterOS, Debian, RHEL, CentOS, macOS, Windows, iOS
Additional Skills:	Computer networking, Network security, AWS, OCI

## Experience

**Cybersecurity Specialist** | Republic of Korea Navy | Incheon, South Korea OCT 2020 – JUN 2022

- Wrote automation scripts to parse malicious IP addresses and edit firewall filter rules using *JavaScript* to streamline the security operations.
- Identified security holes by reverse-engineering a military mobile app using *Java* and *Smali*.
- Administered perimeter security systems and patched up server application vulnerabilities.
- Trained personnel to provide Tier 1 support to over 4,000 end users.
- Defined and maintained Network Access Control policies to manage internal network traffic.
- Launched quarterly cybersecurity awareness campaigns to improve security posture.

**Front-end Developer** | JungDam Dosirak | Busan, South Korea MAR 2021 – JUN 2021

- Helped redesign business' website to meet new business objectives and identity.
- Increased online presence by improving website usability and responsiveness using *React.js* and *Sass*.

## Technical Projects

**Full-stack Developer** | Vocabby.app | Seattle, WA JUL 2021 – Present

- Design, prototype, and develop an Android app following Clean Architecture with *Java* and *Kotlin*.
- Write dictionary parser using *Python* to add 100,000+ entries to dictionary database.
- Create CI pipeline using *GitHub Actions* to automate builds and unit tests.
- Dockerize *Django* backend and deploy Web API using *AWS EC2*, *ALB*, *WAF*, and *RDS*.
- Debug *Python* script that connects *fail2ban* with *AWS WAF*'s IP sets with *AWS CLI*.

## Skills

System Management	Troubleshooting	Adaptability
Computer Programming	Team Leadership	Team Collaboration