



# Kenneth Kang

317-946-0368 | kjkang11@gmail.com | Seattle, WA

Software Engineer with reinforced learning research background experienced at building highly available & scalable products on native cloud infrastructure

## KNOWLEDGE DOMAINS

---

**Technology Domains:** Linux Kernel, Fuzzing, Kotlin, Python, Typescript, Java, C/C++, Cypress, Jest, Numpy, Native AWS infrastructure, Cloudformation, CI/CD, ElasticSearch, Kafka, Full Stack development, Ansible  
**Academic Domains:** Reinforced / Machine Learning, Bayesian Stats, Serverless Architecture, Microservice

## PROFESSIONAL EXPERIENCE

---

### 2021 - Present | Software Engineer | Google - Android Security

- Building Android Kernel fuzzing pipeline for existing 6 billion devices and launching new devices
- Managing vendor relationship to accelerate Android Common Kernel fuzz coverage
- Python, C, Linux kernel, Android, syzkaller, GCP

### 2019 - 2021 | Software Development Engineer | Amazon Prime Video - Sports Data Platform

- 15 person team building a full stack ETL metadata source for all of Prime Video org publishing NFL / NBA / MLB / EPL / Tennis events
- Building scalable microservices for automating image generation / translation / publication
- Kotlin, Typescript, Java, Native AWS, microservice architecture, CI / CD, Python

### 2018 - 2019 | Software Engineer | Duo Security / Cisco

- Acquired by Cisco for \$2.3B in 2018
- Building zero-trust MFA platform to secure clients' (Facebook, Uber, Indeed etc) critical resources
- Architecting / designing / building infrastructure for highly available (99.995%) microservices
- Python, Ansible, ElasticSearch / Kibana, Kafka, AWS services

### 2016 - 2018 | Software Engineer - Digital Signal Processing | Northrop Grumman

- Modeling / prototyping radar DSP modules in Python / Matlab for DoD projects.
- Implementing testing infrastructure for legacy projects in C++
- Python, Matlab, Software Digital Signal Processing, Radar theory

### 2015 - 2016 | Hardware Electrical Engineer / Machine Learning Research | Blue Pillar IoT

- Collaborating with Microsoft data scientists to design energy demand modeling using ARIMA / FFT

## ACADEMIC TRAINING & RESEARCH

---

2021 | Georgia Institute of Technology | M.S. Computer Science: Artificial Intelligence

2014 | Purdue University | M.S. Electrical Engineering: Reinforced Learning

2012 | Purdue University | B.S. Electrical & Computer Engineering

## ACTIVITIES & INTERESTS

---

2018 - Present | Breakthrough CTX: STEM / CS volunteer tutor for would be first generation college students