

Aung Khant “Akay” Ko

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EDUCATION

University of Massachusetts Amherst

Expected Graduation: May 2021

College of Information and Computer Sciences

Bachelor of Science, Computer Science

Cumulative GPA: 3.57

Dean's List Spring 2019 - Spring 2020

Coursework: Software Engineering, Operating Systems, Computer Networks, Computer and Network Security, Secure Distributed Systems

EXPERIENCE

UMass Pentest Club

January 2019 - Present

Reverse Engineer

- Responsible for reverse engineering and binary exploitation of linux executables using tools such as Radare2 and Ghidra
- Competed in cyber defense and capture the flag competitions such as the Cyber Collegiate Defense Competition and DefCon CTF
- Preparing for the Offensive Security Certified Professional, sponsored by the Club
- Created reversing challenges for a beginner Capture the Flag competition hosted by the Club

Freelance

May 2019 - Present

Application Security

- Reported an insecure AWS S3 bucket on Granicus Legistar's network which was exposing sensitive legal documents (<https://www.openbugbounty.org/reports/1068742/>)
- Discovered an insecure direct object reference (IDOR) vulnerability during HackUMass VII on HackUMass Dashboard which allowed full read/write access to project submissions

ConceptX

April 2018 - September 2019

Software Engineer

- Worked as a software engineer at ConceptX, an EduTech startup in Myanmar, tech stack includes Java for android development, Python and Django for OpenEdx deployments
- Managed a team of interns, responsible for the onboarding process and conducting weekly code reviews
- Integrated in-app payments to the application, making in-app purchases user friendly
- Replaced obsolete code and packages, allowing faster builds for the android application

SKILLS

Languages

C, C++, Rust, Assembly, Go, Java, Python, JavaScript, Bash, SQL

Tools and Technologies

Git, AWS, Docker, Django, Firebase, ReactJS, Radare2, Ghidra

PROJECTS

OS Project

<https://github.com/notakay/os-project>

- A minimal operating system built using Assembly and C

Moth Mobile

<https://github.com/notakay/Moth-Mobile>

- Built an arduino “moth” robot that runs toward the strongest light source in the area
- Won HackUMass VI Best Robotics Hack

NotAkay's Blog

<https://notakay.github.io/#/blog>

- Computer science and cybersecurity related blog built using ReactJS