Aung Khant Ko

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EDUCATION

University of Massachusetts Amherst
College of Information and Computer Sciences
Bachelor of Science, Computer Science
Expected Graduation: May 2021, Cumulative GPA: 3.577
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)
- Responsible for reverse engineering and binary exploitation of linux executables using tools such as Radare2 and Ghidra
- Frequently took part in cyber defense competitions such as the Cyber Collegiate Defense Competition and Hivestorm
- Preparing for the Offensive Security Certified Professional, sponsored by the UMass Pentest Club
- Held multiple workshops on reverse engineering and web application security
- Created reversing challenges for a beginner Capture the Flag competition hosted by the Pentest Club

Independent Security Researcher (May 2019 - Present)
- 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 IDOR vulnerability during HackUMass VII on HackUMass Dashboard which allowed full read/write access to project submissions

ConceptX (April 2018 - September 2019)
- Managed a team of interns, responsible for the onboarding process and conducting weekly code reviews
- Integrated in-app payments to the application allowing easier purchases for users
- Replaced obsolete code and packages, decreasing the size of the application by nearly 50%

PROJECTS   https://github.com/notakay

OS Project
- A work-in-progress operating system with a monolithic kernel built using Assembly and C
- Currently supports segment based addressing

Moth Mobile
- Built an arduino robot that moves toward the strongest light source in the area
- Won HackUMass VI Best Robotics Hack

SKILLS

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

Tools and Technologies
Git, AWS, Docker, Django, Firebase, ReactJS, Radare2, Ghidra