Aung Khant Ko

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Education

University of Massachusetts Amherst **Expected Graduation: May 2021**

Bachelor of Science, Computer Science Cumulative GPA: 3.57

Dean's List Spring 2019 - Spring 2020

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

Experience

UMass Cybersecurity Club **January 2019 - Present**

Reverse Engineer

- Founding member of SavedByTheShell, UMass's competitive CTF
- Studying for the Offensive Security Certified Professional
- Competed in Capture the Flag competitions such as DEFCON CTF, working mainly on reverse engineering and binary exploitation challenges
- Competed in Cyber Defense competitions such as the National Collegiate Cyber Defense Competition and Hivestorm
- Created reverse engineering challenges for UMass CTF

Freelance **May 2019 - Present**

Application Security

- Discovered an insecure AWS S3 bucket on Granicus Legistar which was exposing confidential documents
- Reported an insecure direct object reference (IDOR) vulnerability during HackUMass VII on HackUMass Dashboard which allowed full read/write access to project submissions

ConceptX (Myanmar)

Software Engineer Intern **April 2018 - September 2019**

- Deployed a custom version of OpenEdx for Dagon University
- Integrated in-app payments to the android application
- Refactored and added documentation to the codebase

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 work-in-progress operating system built from scratch using C and Assembly
- Implemented schedulers, memory management and file systems for xv6 during an Operating Systems course

Awards

- HackUMass VI Best Robotics Hack
- Myanmar STEM Competition 2017-2018 Second Place Overall
- Myanmar STEM Competition 2017-2018 Best Robotics Design