

# Aung Khant Ko

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## Education

**University of Massachusetts Amherst**

**Expected Graduation: May 2021**

*Bachelor of Science, Computer Science*

Cumulative GPA: 3.58, Major GPA: 3.69

Dean's List Spring 2019 - Spring 2020

Relevant coursework: Algorithms, Software Engineering, Operating Systems, Computer Networks, Computer and Network Security, Secure Distributed Systems, Calculus, Linear Algebra

## Experience

**BIM Group of Companies**

**September 2020 - Present**

*Security Analyst Intern*

- Performed vulnerability assessments as part of the Vulnerability Assessment and Penetration Team on banking software and ecommerce platforms
- Proposed fixes to vulnerable web and mobile applications
- Conducted source code reviews, documenting potential vulnerabilities and performing risk analysis

**ConceptX**

**April 2018 - September 2019**

*Software Engineer Intern*

- Integrated in-app payments from a third party payment service provider to the android application
- Deployed a learning management system using OpenEdx for Dagon University, Myanmar to assist distance learning

## Projects

**Employee Organization Chart**

- Built an employee organization chart for a university affiliate as part of a software engineering course
- Worked together with the backend team, mainly using Firebase for creating REST API endpoints, providing authentication and storing data on Firestore
- Created documentation for the REST API

**Operating System Project**

- Implemented schedulers, memory management and file systems for xv6 during an Operating Systems course
- Built a minimal bootloader and a kernel using C and Assembly

**UMass Cybersecurity Club**

- Founding member of SavedByTheShell, UMass's competitive Capture the Flag
- Competed in Capture The Flag and Cyber Defense Competitions such as DEFCON CTF, National Collegiate Cyber Defense Competition and Hivestorm
- Organized the UMass Capture the Flag competition
- Held office hours for the club's workshops for students in alternate time zones

## Skills

**Languages:** C, C++, Assembly, Java, JavaScript, Python, Rust

**Tools and Technologies:** Git, AWS, Flask, Docker, Django, Firebase, ReactJS, ExpressJS, Linux/Unix

## Awards

- HackUMass VI Best Robotics Hack
- Myanmar STEM Competition 2017-2018 Second Place Overall
- Myanmar STEM Competition 2017-2018 Best Robotics Design
- Khan Academy Friendly Hacker Award