

# ANDER M. U. MORAN

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## EDUCATION

**Texas A&M University**, College Station, TX May 2019  
*Bachelor of Science, Computer Science*  
*Minor, Cybersecurity*  
3.46/4.0

## WORK EXPERIENCE

**Intern at i.e.Smart Systems**, Houston, TX Summer 2016

- Worked on a team of 3 programmers to develop audiovisual programs for commercial clients
- Learned programming languages, Simpl and Crestron, to better contribute to projects

**Intern at Providence Hospital of North Houston LLC**, Houston, TX Summer 2016

- Assisted with PowerShell programming scripts to configure 300+ new computers for hospital
- Collaborated daily with the head of IT to design and implement code

**Private Tutor**, The Woodlands, TX and College Station, TX Fall 2011 – Present

- Created and implemented personalized curriculums for 20+ students in various topics
- Taught elementary to advanced level computer science, math, and physics

## PROJECTS/ACHIEVEMENTS

**Nightmare** Spring 2017

- Independently developed a 3rd party software for Snapchat on iOS using reverse engineering
- Project became the #1 dark mode software for Snapchat, peaking at 10,000 users
- Managed and responded to customers' bugs/requests

**Social Media Mapper** Fall 2017

- Built website that places user's social media posts on a global map to visualize memories
- Integrated Facebook's, Twitter's, and Instagram's API via JavaScript

**Dolosoft** Spring 2018 - Present

- Engineered the first automated reverse engineering software for dynamic iOS app analysis
- Able to decrypt, decipher, and modify iOS applications using a GUI on macOS

**Guardian Angel** Fall 2018

- Created an Android smartwatch/mobile phone application for the elderly that would alert EMS as well as family if the user suffered a fall and was unresponsive or unable to call for help

**ColorSpot** Spring 2019

- Designed and developed software to assist colorblind users in identifying colors on their Mac
- Conducted surveys and interviews among users to guide the design on the interface

## SKILLS

**Software Engineering**

- **Languages:** C++, Objective-C, C, Java, Python, Bash, x86, JavaScript, PHP, HTML/CSS
- **Development:** Unit testing, Agile, APIs, Scripting, Regex, Unix, Ajax, jQuery, Xcode
- **Libraries/Frameworks:** Mapbox, UIKit, AppKit, Objective-C runtime, Swing
- **Other:** Human-Computer interaction, Information retrieval and storage, Reverse Engineering

**Cybersecurity**

- **Computer security:** GDB, IDA, Hopper, Binary exploitation
- **Network security:** Packet spoofing, SSL certificates, Traffic inspection

## ACTIVITIES

**TAMUctf** Spring 2017, 2018, 2019

- Competed in cybersecurity challenges including static binary analysis and exploitation

**TAMU Cybersecurity Club** Fall 2016 - Present

- Learned through hands-on interaction with common cybersecurity attacks
- Applied techniques and methods to strengthen software security within my projects

## AWARDS, HONORS, AND ORGANIZATIONS

**Phi Eta Sigma Honor Society** Spring 2016 – Present  
**Sigma Alpha Lambda** Spring 2016 - Present  
**Sigma Alpha Pi** Spring 2016 - Present  
**National Society of Collegiate Scholars** Fall 2015 – Present