# ANDER M. U. MORAN

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## EDUCATION

**Texas A&M University**, College Station, TX                                Expected May 2019
*Bachelor of Science, Computer Science*
*Minor, Cybersecurity*
3.42/4.0

## WORK EXPERIENCE

**Intern at i.e.Smart Systems,** Houston, TX                                Summer 2016
- Worked on team of 3 programmers to develop audiovisual program 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 in 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

**Simple Media**                                                            Spring 2015
- Worked with a low vision teenager to develop a low vision friendly media player for iOS
- Designed the UI/UX with low vision users in mind through observation and user's feedback

**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

**Discovered and reported security flaw**                                  Spring 2018
- Inspecting network traffic in iOS app revealed that user's locations were being shared with other users without consent. Reported to company and has since been fixed.

## SKILLS

**Software Engineering**
- **Languages**: C++, Objective-C, C, Java, Python, Bash, x86, JavaScript, PHP, HTML/CSS
- **Development**: UI/UX, Unit testing, APIs, Scripting, Regex, Unix, Ajax, jQuery
- **Libraries/Frameworks**: Mapbox, UIKit, AppKit, Objective-C runtime, Swing

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

## ACTIVITIES

**TAMU Hack**                                                              Spring 2017, 2018
- Attended talks about software development, AI, optimization, etc.
- 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 AND HONORS

**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