

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 curriculum 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

- Desktop website that places user's social media posts on a global maps to visualize
- Integrated Facebook's, Twitter's, and Instagram's API with Mapbox GL JS

Dolosoft

Fall 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

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
- **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, and Binary exploitation
- **Network security:** Spoofing, SSL certificates, Traffic inspection

ACTIVITIES

TAMU Hack

Spring 2017, 2018

- Attended talks about software development, AI, optimization, etc.
- Competed in cybersecurity challenges including binary static 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

Spring 2016 – Present

Sigma Alpha Lambda

Spring 2016 - Present

Sigma Alpha Pi

Spring 2016 - Present

National Society of Collegiate Scholars

Fall 2015 – Present

National Hispanic Scholar

Spring 2015 - Present