

EDUCATION

THE UNIVERSITY OF TEXAS AT AUSTIN

BS IN COMPUTER SCIENCE
WITH HONORS
May 2019 | Austin, Texas
GPA: 3.87 / 4.0

LINKS

github.com/tesiawu

INTERESTS

Security
Cloud Computing
Mobile Computing
Infrastructure

COURSEWORK

Data Structures
Computer Architecture
Discrete Mathematics
Operating Systems
Introduction to Security
Algorithms
Software Engineering
(Teaching Assistant)
Network Security and Privacy
Ethical Hacking
Compilers
iOS Mobile Computing

SKILLS

PROGRAMMING

Proficient in:

Java, Python, C

Familiar with:

Swift, Objective C,
MySQL, Git

Exposure to:

JavaScript

ORGANIZATIONS

Information Systems & Security Society
Women in Computer Science

WORK EXPERIENCE

LINKEDIN | SOFTWARE ENGINEERING INTERN

May 2018 - Aug 2018 | Sunnyvale, CA

Image Loader - Objective C

- Created the standardized image loader library for all images on the LinkedIn iOS app that retrieves images from disk and caches network requests for efficiency.
- Implemented an image decoder that reads and decodes raw images data to convert them into common formats such as JPG/PNG/GIF.

LOCKHEED MARTIN | SOFTWARE ENGINEERING INTERN

June 2017 - Aug 2017 | Fort Worth, TX

Batch Production Support Application - JavaScript, XML

- Created an user interface in XML and JavaScript and database in SAP to manipulate, organize, and store batch production jobs.

EPDB Segment Mapping - Java, XML

- Created a parser for aircraft product XML data using a Java XML ORM.

CS373: SOFTWARE ENGINEERING | TEACHING ASSISTANT

Jan 2019 - May 2019 | Austin, TX

- Helped students build a full-stack website that scraped data from RESTful APIs into a backend database and displayed information dynamically using GCP/AWS, Flask Restless, React Bootstrap, PostgreSQL.

TECHNICAL EXPERIENCE

MAFIA MANAGER

Jan 2019 - May 2019 | Swift

- iOS mobile application for the card game Mafia and its variations.
- Used Google Firebase to login and store user information and Multipeer Connectivity for peer to peer connection with other players.

MAC ATTACK

Aug 2018 - Dec 2018 | Python

- Created a security tool that steals a victim's MAC address and kicks the victim off the network using a WiFi deauthentication attack.

PINTOS

Jan 2017 - May 2017 | C

- Navigated a large codebase for a partial operating system framework.
- Designed and implemented kernel threads, loading and user programs, virtual memory, and file systems.