

Abraham Adberstein

aadberstein@gmail.com | 210 551 2644 | aadberstein@utexas.edu

EDUCATION

UNIVERSITY OF TEXAS AT AUSTIN

BS IN COMPUTER SCIENCE

Information Security Certificate

Expected graduation May 2017

LINKS

Github:// [adle29](#)

LinkedIn:// [abrahamadberstein](#)

Portfolio:// [voxpathulimundi.net](#)

LANGUAGES

English • Spanish • Russian

COURSEWORK

Software Engineering

Algorithms and Data Structures

Computer Architecture

System's Security

Compilers

Intro to Computer Security

Intro to Probability and Statistics

Linear Algebra

Multivariable Calculus

Operating Systems

System's Security Research

IOS Mobile Computing

Privacy and Networks Security

Algorithms and Complexity

Artificial Intelligence

SKILLS

PROGRAMMING

ADVANCED

Python • Java • Javascript • Shell

INTERMEDIATE

C • Swift

CYBER/PEN-TESTING

INTERMEDIATE

Kali Suite • Metasploit

WEB DEVELOPMENT

ADVANCED

HTML 5 • CSS • D3.js

Angular.js • Backbone.js • Laravel

INTERMEDIATE

Django • Node.js • PHP

ADVANCED

PostgreSQL • MongoDB.

WORK EXPERIENCE

CENTER FOR CARDIOVASCULAR SIMULATION | DEVELOPER

- Developed a scientific wikipedia with a git-based storage implementation.
 - Full stack app written in Django Python and PostgreSQL.
 - Implemented a distributed version control and source code management.
- 08/2016 - present, UT Austin

PARLEVEL SYSTEMS | FULL STACK DEVELOPER INTERN

- Developed interfaces to manage user added product supplies.
 - Implemented database models, routes, dynamic data visualizations.
 - Written in Laravel, PHP, Angular.js, PostgreSQL, D3.js
- Summer 2013, San Antonio, Texas

ACTIVITIES

CYBERSECURITY LAB | FOUNDER AND PRESIDENT

- Founded first student security lab for cybersecurity competitions.
 - Setup a network with industry operating systems and primary services.
 - Trained for cyber competitions, Cyber Collegiate Defense Competition.
- 08/2016 - present, UT Austin

FRI RESEARCH INITIATIVE | RESEARCHER

- Research about fingerprinting Tor Browser, paper: goo.gl/ZiUyX5
 - Coded Python automation scripts using Selenium to sniff a network.
 - Used machine learning algorithms to fingerprint over 50 Alex Top websites.
- Fall 2016, UT Austin

UNIVERSITY OF TEXAS AT SAN ANTONIO | RESEARCHER

- Presented network security projects at the Undergraduate Science Fair.
 - **The Bot Army:** Developed an application that automates "bots" to scan and secure an endangered network. (Python, Metasploit, nmap)
 - **Deception-based Cybersecurity:** Presented a research idea to reverse engineer a popular vulnerability scanner, OpenVAS.
- Summer 2015, UTSA

PROJECTS

VOXPOPULIMUNDI.NET

- Personal portfolio with personal projects about data visualizations, RESTful applications, cybersecurity projects and research, and more.

PLATO.VOXPOPULIMUNDI.NET

- A social web application made of communities and a variety of sections to share in depth information through highly detailed articles.
- Deployed a RESTful API. Developed with AngularJS, PostgreSQL, Django, Python, and Digital Ocean.

GOALAZOSTATS.ME

- A social web application with an indexed database of soccer statistics.
- Deployed a RESTful API. Developed with AngularJS, SQLAlchemy, Flask, PostgreSQL, and Digital Ocean.