

RANDY THAI

✉ randythai1996@gmail.com — 🌐 <https://www.cs.utexas.edu/~ranthai> — 📀 [ranthai](#) — 📺 [randy-thai](#) — ☎ 713-517-6214

EDUCATION

The University of Texas at Austin

(Fall 2014–Spring 2018)

- Overall GPA: 3.49, Major GPA: 3.67
- Bachelor of Science (B.S.) in Computer Science
- INFOSEC Certificate in Information Security

COURSEWORK

Development Data Management, Software Engineering

Security Computer Security, Network Security and Privacy, Computer Networks, Ethical Hacking

General Data Structures, Algorithms and Complexity, Programming Languages, Compilers

ACADEMIC PROJECTS

IDB (weebmd.me)

- Followed Extreme Programming methodology to build a imdb-type dynamic web application that provides information about various Japanese media
- Wrote a technical report outlining the tools used in development, use cases for the application, and various other considerations encountered over the several stages of development
- Learned various frameworks in a limited timespan to meet project specifications like SemanticUI and ReactJS

ARL Cost Transfer Request

- Designed and built a demo web application for transferring expenses between labs of a university affiliated research center
- Constructed data models according to proposal document specifications, generating DDL and DML files, and implementing application features like hash function update regions and service reports

Pass the Hash

- Created a tool to automatically steal credentials and escalate privileges throughout a vulnerable network
- Documented the tool, it's dependencies, and the process of it's creation/testing/usage

AES-256 Encryption

- Coded an implementation of the federal standard AES-256 commercial block cipher algorithm to efficiently encrypt and decrypt arbitrarily-sized files in Java

Bacon Pancakes, Sysmis, Parchment, Digimodo

- Completed a suite of Capture the Flag information security challenges focused on network, system, and web application security
- Prepared security assessment reports revealing vulnerability findings and providing suggested controls
- Tools utilized include nmap-scripts, ettercap, John the Ripper, msfconsole, and sqlmap

PERSONAL PROJECTS AND COMPETITIONS

Saucebot & BHWikiBot

- Implemented and deployed automated systems utilizing APIs and web scraping to process and generate content for major social networking platforms and VoIP applications in python

SauceNAOpy

- Developed an API wrapper to provide extended functionality and friendlier interface for a sparsely documented reverse image search service in python

Hackerrank

- Practiced problem-solving skills and employed algorithms in online programming competitions

SKILLS

Programming Languages Python, Java, C

Web Development HTML, CSS, Javascript, Bootstrap, Semantic UI, ReactJS

Data Management Oracle Data Modeller, Oracle SQL Developer, Oracle APEX