cs.utexas.edu/~ranthai                          **Randy Thai**                          randythai@utexas.edu

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**Education**

*University of Texas at Austin*                    Expected Graduation Date: May 2018
B.S. in Computer Science                    Overall GPA: 3.5      Major GPA: 3.76

**Academic Projects**

*IDB* (weebmd.me)

- Followed Extreme Programming methodology to design a dynamic web application that emulates IMDB to provide information about Japanese media
- Required the learning of various new tools in a limited time frame to meet project specifications such as ReactJS and Semantic UI

*AES-256 Encryption*

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

Pintos

- Optimized and added functionality to a toy operating system including support for thread priority scheduling, user program argument passing, virtual memory, and a multi-level indexed file system

ARL Cost Transfer Request

- Collaborated with a team to design and build an application demo for the university affiliated research center
- Involved constructing data models according to a proposal document, generating corresponding DDL and DML files, and implementing application features like hash function update regions

**Personal Projects**

*Saucebot*

- Designed and deployed an automated system to process and generate content for major online social networking platform in Python

*SauceNAOpy*

- Created a Python API wrapper to provide extended functionality and friendlier interface for a reverse image search service

**Completed and Current Coursework**

- Data Structures
- Data Management
- Computer Security
- Algorithms and Complexity
- Computer Networks
- Software Engineering
- Programming Languages
- Network Security and Privacy
- Compilers
- Ethical Hacking

**Organizations**

*Mobile App Development* (MAD)                                          *Fall 2016*

- Attended hands-on Android application development workshops and followed instructor-led lessons to create simple Android apps in the IDE, Android Studio

**Skills**

*Programming Languages*:

- Proficient: C, Java, Python

*Web Development Languages*:

- Familiar: HTML, CSS, JavaScript, ReactJS

*Database*:

- Familiar: SQL

**Awards**

Tracor/Frank McBee, Jr. Scholarship Endowment                                          *2017-2018*