

Thomas Hanna

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Farmingdale, NJ
March 15, 1996
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Education

Rutgers University

Bachelor of Science, Computer Science

Brookdale Community College

Associate of Science, Computer Science

New Brunswick, NJ

Spring 2020

Lincroft, NJ

Fall 2017

Projects

Crypto-Chat

- Android application that sends encrypted messages through email using end to end encryption with SHA-1 hash functions and private/public keys. Written in **Java** using Android Studio.

Chess

- This game is a standard rules chess application, written in **Java** using many object-oriented techniques. The game is outputted on the terminal and controlled by inputs from a user.

File Watcher

- The file watcher updates a text file with folder contents and stores the file into a google drive. If you need to back up your computer and want to keep a list of your programs. Written in **Python**.

Cryptography Algorithms

- Multiple programs designed to help decrypt/encrypt plaintext. Each program has its own use from encrypting/decrypting strings to factoring integers. I wrote these functions and programs to help me learn python. Written in **Python** using various text editors.

Computer Skills

Languages:

Python, Java, C, SQL, JavaScript.

Software Experience:

BASH, Eclipse, Android Studio, PHP Storm, IntelliJ, Git, MySQL Workbench, Visual Studio, SSH, GDB, Github, Bitbucket, Jupyter Notebook, Anaconda, PyCharm.

Other:

Android, Laravel, Vue, Node, PDFMake, D3, Electron, Firebase, Numpy, JavaFX.

Operating Systems:

Windows, UNIX, Linux.

Relevant Courses:

Data Structures, Algorithm Analysis, Cryptography, Computer Security, Database Design, Systems Programming, Discrete Mathematics, Software Methodology, Formal Languages & Automata.

Work experience

Vorsi Software

Software Developer

Hudson Valley, NY

May 2019 – September 2019

- Worked on a CRM software that was developed in JavaScript Vue and PHP using the Laravel framework. The CRM was used by a commodity distributor with over 800 clients. I Gained knowledge working with scalable and secure web applications. My main role was to add new features and fix bugs.

Brookdale CC Learning Center

Tutor

Lincroft, NJ

January 2017–December 2017

- Assisted students in acquiring better understanding of Java programming, data structures and SQL. Demonstrated ability to assist students in achieving higher grades on computer science related courses.