Stuart Small

817-899-0269; sjs160530@utdallas.edu
www.linkedin.com/in/stuart-small   www.stuartjsmall.com

EDUCATION
University of Texas at Dallas   December 2020
B.S., Computer Science GPA 3.3/4.0

WORK EXPERIENCE
Mortex Products, Inc.   June 2019 – Present
Full Stack Engineer
- Modified and normalized existing MySQL database.
- Designed and developed inventory management system using Python's Django.
- Developed and implemented a REST API using Django REST framework.

Market Street   October 2013 – November 2015
Sacker (October 2013-Febuary 2014)
Cashier (February 2014-April 2015)
Stocker (April 2015- November 2015)

PROJECTS
Network Packet Sniffer and Spoofer   Spring 2020
- Captures any packet being sent over the network and filters each given the protocol.
- Provides the option to either store-and-forward packets, or spoof the packets destination address to reply
- Furthered my understanding of Python and the Scapy library.

Sorting Algorithms Visualizer   Spring 2020
- Developed application which creates a visual representation of common sorting algorithms (heapsort, quicksort, and bubble sort).
- Sorts pixels within an image based on each of their hue values when the color is represented by HSV.
- Provided hands-on experience with Python and the NumPy library.

OS Process Scheduler   Fall 2019
- Developed an application which schedules simulated jobs based on the chosen algorithm.
- Implementation of FCFS, RR, SPN, SRT, HRRN, and FB scheduling algorithms using Java 11.

TECHNICAL SKILLS
Programming/Scripting Languages: Java, Python, TypeScript, C/C ++, MySQL, HTML5/CSS
Libraries/Frameworks: Django, Django Rest Framework, JavaFX, Scapy, NumPy
Networking: TCP/IP, HTTP(S), DNS, Wireshark/ Scapy Python packet analysis, Designing IP addressing scheme using subnets.
Operating Systems: Linux (Ubuntu, Debian), Windows (XP, Vista, 7, 10)
Other: Git, PowerShell, Bash, MS Office Suite, Adobe Suite (XD, Illustrator, Photoshop, Lightroom)

RELEVANT COURSEWORK
Machine Learning in Cyber Security, Digital Forensics, Computer and Network Security, Computer Networks, Networking Laboratory, Operating Systems Concepts, Database Systems, Organization of Programming Languages, Software Engineering, Probability and Statistics in CS, Data Structures and Algorithm Analysis, Advanced Algorithm Design and Analysis, Computer Architecture, C/C++ in a Unix Environment

ACTIVITIES
Member, Association for Computing Machinery at UTD   January 2019-Present
Member, Computer Security Group at UTD   January 2019-Present