

# Stuart Small

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[www.stuartsmall.com](http://www.stuartsmall.com)

## EDUCATION

The University of Texas at Dallas

B.S., Computer Science GPA 3.307/4.0

December 2020

## WORK EXPERIENCE

Mortex Products, Inc.

*Full Stack Development Intern*

June 2019 – Present

- Designed, and normalized inventory database tables based on existing system
- Developed the frontend and backend for intranet inventory querying application using Angular 8 and Django
- Developed a REST API with Django Rest framework

Market Street

*Sacker* (October 2013-February 2014)

*Cashier* (February 2014-April 2015)

*Stocker* (April 2015- November 2015)

October 2013 – November 2015

## PROJECTS

*Packet Sniffer and Spoofer*

Spring 2020

- Developed an application that allows us to act as the man-in-the-middle within a network.
- Captures any packet being sent over the network and filters each given the capture parameters.
- Provides the option to either store-and-forward packets, or spoof packets destination address to reply
- Developed with the Python library Scapy.

*Old Maid-* <https://github.com/JSmalls96/OldMaid>

Spring 2019

- Agile project management for a group of four developing a multiplayer rendition of the card game Old Maid
- Wrote, and implemented core game functionality in Java 11
- Wrote, and unit tested the User Interface using JavaFX

*Dice Roller Web Application-* <https://github.com/JSmalls96/DiceRoller>

Spring 2018

- Developed a web application in JavaScript that simulates rolling dice with dice visualization.
- Implemented UI design using HTML and CSS
- Provided variation to the type and number of dies to be rolled.

## TECHNICAL SKILLS

Programming/Scripting Languages: Java, Python, TypeScript/JavaScript, C++, C, SQL, HTML5, CSS

Libraries/Frameworks: Angular, Django, Django Rest Framework, JavaFX, Scapy

Networking: Wireshark/ Scapy python packet analysis, Designing IP addressing scheme using subnets. Configured Cisco routers

Operating Systems: Linux (Ubuntu), Windows (XP, Vista, 7, 10), MS Server 2012

Other: Git, PowerShell, Bash, MS Office Suite

## RELEVANT COURSEWORK

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

Member, Computer Security Group at UTD

January 2019-Present

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