




Nicholas R. Rudolph

Tampa, FL

✉ n.rudolph2011@gmail.com |  github.com/R00ty33 |  linkedin.com/in/nick-rudolph/ |  nicholasrudolph-6bfa7.web.app

Education

University of South Florida

Tampa, FL

Bachelor of Science in Cybersecurity | GPA: 3.64

Graduating in May 2022

- **Relevant Coursework:** Data Structures & Algorithms, Web Development, Advanced Databases, Advances in Object-Oriented Programming, Applied Cryptography, Network Security & Firewalls, Foundations of Cybersecurity

Skills

Languages C, Java, JavaScript, HTML, CSS, Python, C++, C#

Frameworks ReactJS, NodeJS, MySQL, ASP.NET Core

Platforms Git, GitHub, REST, Windows, Linux

Platforms Wireshark, Snort, Nmap, Ghidra, GDB, Volatility, BurpSuite, Ncat, BinaryNinja, BinWalk

Projects

Crypto Web Scraping & Web Application

Java Spring Boot | Python | MySQL | CSS | Git | GitHub

- Deployed a web application which reads, updates, and writes the price of bitcoin
- Implemented a RESTful API web service using Spring Boot that communicates to a MySQL database. Created a python script utilizing the beautiful soup library to continuously web scrape and update the price of bitcoin to the MySQL database

Interactive Word-Search

JavaScript | HTML | CSS | Git | GitHub

- Developed an interactive and stateful word search puzzle
- Applied DOM API methods and event listeners to highlight, select, and return cells. Executed JavaScript functions to write selected cells in a textbox on the web application, validate whether the selected cells contain a word, and cross out and highlight valid words from the word-search

Multiclient Database Server

C# | Git | GitHub

- Built a database server which can communicate with multiple clients on separate threads to retrieve information of stored books and students GPA

Bank Account Management Simulator

C | Git | GitHub

- Designed a simple bank account which incorporates functions similar to that of an ATM
- Wrote functions in C which can: create an account, withdraw, deposit, transfer, exchange, and retrieve summary

Professional Experience

Resilience

Tampa, FL

Software Engineer

May 2021 - August 2021

- Developed an android application with AI integration to aid students in social emotional learning.
- Designed a SQL database for account creation. Implemented an express server within React Native to communicate with the database, the web application, and the client. Integrated Axios API to request and handle data from the client.
- Created components within react native for user functionality.

Activities & Awards

White Hatters Computer Security Club

May 2018 – PRESENT

Dean's List Honors

June 3, 2021

Tennis MVP Award

May 4, 2016