Tim Tersigni

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EDUCATION

University of Texas at Dallas Richardson, TX
Bachelor of Science, Computer Science May 2023
- Merit Scholarship: UT Dallas Academic Excellence Scholarship

WORK EXPERIENCE

The Carpet Stop Austin, TX
IT and Office Assistant Dec 2018 – Aug 2021
- Managed setup and software installation for computers and connected them to the NAS
- Resolved technology related help requests involving Microsoft Office suite
- Updated pricing and inventory databases every month increasing efficiency by 25%
- Analyzed blueprints and planned optimal carpet layout to minimize waste and maximize utility
- Fielded and advised customers and installers over the phone and in person
- Collaborated with team of 4 to load and unload weekly delivery trucks

RELEVANT PROJECTS

Client Server Chat Application - https://github.com/tim-tersigni/Server-Based-Chat Spring 2022
- Designed multi-threaded server program in Python using TCP and UDP protocols to listen for messaging and client requests and encrypt outgoing data
- Developed chat client program which connects to the server to send and receive messages
- Coded chat log system which saves chat session contents to server file for client viewing

Emission Omission - https://github.com/Neilio3264/Emission-Omission Spring 2021
- Collaborated with hackathon team of 4 to program a web application in 48 hours that calculates the carbon emissions of a vehicle's travel between two points using Google Maps API
- Designed website layout using Figma and coded front-end using React, Git, and npm

Etch A Sketch - https://tim-tersigni.github.io/odin-etch-a-sketch/ Summer 2022
- Created interactive drawing grid using JavaScript which listens for mouse hovering events
- Constructed website layout using HTML and styled it with CSS after prototyping UI in Figma

Restaurant Optimization Program - https://github.com/tim-tersigni/Restaurant-Optimization Fall 2021
- Created restaurant simulation using Python to exemplify multithreaded resource allocation
- Modeled optimal restaurant management using semaphores to control shared resources
- Demonstrated deadlock-avoidant programming and efficient multi-threading

Linux Home Server Summer 2022
- Self-hosted applications and further explored networking using Ubuntu Home Server and Docker
- Constructed personal VPN and game server proxy using WireGuard and a VPS
- Implemented a cloudflare domain and a reverse proxy with NGINX to access hosted services

ADDITIONAL INFORMATION

Technical Skills: C++, Java, Python, JavaScript, HTML, CSS, SQL, npm, React, pandas, Machine Learning, Windows, Linux, Git, GitHub, Docker, Photoshop, Illustrator, Networking, SDLC
Relevant Coursework: Software Engineering, Advanced Algorithm Design and Analysis, Database Systems, Data Structures, C C++ Programming in a Unix Environment, Introduction to Machine Learning, Computer Networks, Computer Graphics, Introduction to Digital Art and Design
Interests: Rock Climbing, Skateboarding, Table Tennis, Cooking, Music, Video Games, Graphic Design
Portfolio Website: https://tim-tersigni.github.io/