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**OBJECTIVE**

Entry-level position in Offensive Cybersecurity in the Greater Houston area.

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**EMPLOYMENT**

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**Operations Intern** **NorvaNivel** **May 2022 – Aug 2022**

- Improved capabilities and efficiency of existing ERP system by adding/modifying custom reports using SQL and Crystal Reports.
- Identified and clarified relationships between objects and tables in company database to ensure data is accurately extrapolated.
- Began implementation of the ISO-9001 certification process and created process documentation for multiple business sectors.

**Software Developer** **Naturae Oils** **Mar 2021 – Jan 2022**

- Developed software to streamline file and data input into a MySQL database using AWS (Lightsail VPS) and front-end open-source software.
- Digitized batch manufacturing records to collect data via API calls for usage in KPIs.
- Redesigned modules in retail brand's website using WordPress.

**Data Management Analyst** **Naturae Oils** **Aug 2020 – Mar 2021**

- Designed interactive spreadsheets using MS Excel to project manufacturing costs and throughput.
- Organized raw manufacturing data to aid in data visualization and improving company efficiency.
- Created graphs and data visualizations for CEO used in quarterly investor reports.

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**EDUCATION**

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**Dallas, TX** **University of Texas at Dallas** **Jan 2019 – Dec 2022**

B.S. in Software Engineering

- Concentration: Information Assurance
- Relevant Coursework: Data & Application Security, Computer & Network Security, Computer Networks, Digital Forensics, Operating Systems, Big Data Management and Analytics

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**PROJECTS**

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**Senior Capstone Project (in coordination with Forcepoint LLC) – seccomp**

- Served as project lead of a 6-person team implementing seccomp (secure computing mode) to limit client and server access to system calls during different stages of their execution.
- Responsible for presenting project sponsor demos, coordinating group meetings, fulfilling deliverable deadlines, and orchestrating code development between group members.
- Automated client and server process initialization through systemd services and timers.
- Developed project using C/C++ in CentOS 7 hosted on an Amazon Lightsail VPS.

**File Recovery Tool**

- Wrote digital forensics tool in C to recover deleted .jpg files from memory of NTFS hard drive partitions.
- Program traverses resident/non-resident file entries and attributes in MFT.
- Creates a new copy of the recovered file using write() system call.

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**SKILLS**

**Languages:** C/C++, Python, Bash, SQL, Java, HTML, PHP, CSS

**Tools:** Wireshark, Nmap, Apache Spark, Hadoop, Hive, Databricks, MS Excel, MySQL, Emacs, Git, AWS, React.js

**Operating Systems:** Linux (Ubuntu, CentOS), Windows

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**AWARDS**

Eagle Scout Award

Boy Scouts of America

Sep 2014