Nina Vu

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EDUCATION

George Mason University - College of Engineering and Computing   Fairfax, VA
Bachelor of Science in Computer Science - Expected: May 2024
Relevant Courses: Operating Systems, Data Structure, Distributing System, Networking, Database and Secure Programming

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C, SQL, CSS, HTML, MatLab, GO (Golang)
Applications: Microsoft Visual Studio, GitHub, Microsoft Suite, Android Studio, Docker, AWS EC2
Operating Systems: Linux (CentOS, Amazon Linux), Windows, MacOS

PROJECTS

Mapreduce   *Fall 2023*
- Implemented a custom MapReduce framework in Go, focusing on optimizing large-scale data processing tasks for speed and resource efficiency while exploring concepts of fault tolerance within distributed systems.
- Designed and implemented distributed algorithms for data partitioning, mapping, shuffling, and reducing stages, ensuring fault tolerance and data consistency. **Golang**

Frequent Flier Database   Summer 2023
- Implemented the RDBMS backend with SQL, ensuring data integrity, normalization, and efficient query performance for large volumes of customer data. **SQL | Android Studio**
- Collaborated with stakeholders to refine the Android app interface design, prioritizing usability and responsiveness for seamless user interactions.
- Developed front end with Java and Android SDK, applying modern design principles for an intuitive user experience.

Linux Shell   *Spring 2023*
- Developed a Task Manager system in C for a shell, enhancing the functionality of Linux commands through customized execution. **C | Linux**
- Effectively managed concurrent processes by implementing signal handling, ensuring efficient execution tracking, and managing file redirection for multi-process operations.
- Utilized linked lists for optimized dynamic memory usage and organized process information into compartments.

DNS Client-Server   *Spring 2023*
- Developed a Python program to contact DNS servers, extract a specific site's DNS record, and display the response for the user. **Python**

WORK EXPERIENCE

KPMG LLP   McLean, VA
Seasonal Intern Advisory   *Jan 2023*
- Utilized tools including PowerBI and Excel to conduct a thorough analysis, generated insightful reports and employed PowerPoint to present data in the company's template.
- Assisted the project manager in evaluating, designing, and implementing new IT risk strategies, sustainable solutions, operating processes, and people models to address evolving risks.
- Enhanced database organization and information accuracy through the implementation of improved methodologies.
- Collaborated with team members on a short-term project centered around the company's ESG goals.

GMU CS College of Engineering and Computing   Fairfax, VA
Systems Programming Undergraduate Teaching Assistant   *Aug 2023- May 2024*
- Assisted in delivering course content on assembly language, data in embedded systems, Linux system calls, memory representation, and concurrent process management.
- Collaborated with instructors to develop instructional materials, recitations, and projects that meet the course objectives.
- Provided personalized guidance and support to students through office hours and recitations, enhancing overall student understanding and facilitating academic growth.

Starbucks   Vienna, VA
Barista Trainer   *May 2019 - Aug 2023*
- Established strong customer relationships, driving sustained sales growth and consistently ranking the branch among the district's top 2 in customer experience reports.
- Proactively monitored customer service and industry trends, participating in daily discussions with management to promptly address concerns and implement enhancements.
- Conducted comprehensive barista training sessions to ensure team members were proficient in Starbucks products, pricing, policies, and service standards, contributing to the overall success of the team.

References will be given upon request