NUTTHAWAT PANYANGNOI (NATHAN)

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Skills: C++, Python, Java, JavaScript, HTML, CSS, Bash Script, SQL, MongoDB, Node.js, Angular, PHP, Flask framework, Pytorch
Tools: AutoCAD, LT Spice, Adobe Creative Suit, VMware, AWS servers, Docker, git

Education:

B.S. In computer Engineering (GPA:3.287)   **Expect graduation December 2025**
San Jose State University, San Jose, CA

A.S. In Computer Science and Mathematics (GPA:3.5)   **May 2022**
Las Positas College, Livermore, CA

Coursework: C, C++ OOP, Advanced Algorithms, Data structures, Operating system design, Circuit Design, Circuit Analysis, Microprocessor design, project management (Agile, scrum, waterfall, etc), Assembly Language, Digital design, Computer Architecture, Compiler Design, Software engineering

Honors & Affiliations:

Dean's List: San Jose State Fall 2022, Las Positas College (Fall 2021)
Scholarship: Las Positas College EOPS Scholarship
Club: Tau Beta Pi Engineering Honor Society, MESA Engineering SJSU, SJSU machine learning, SJSU Software Engineering club

Projects:

Neural Network predict the number from input   **on-going**
(Train the Neural Network model to create the accurate prediction on the number)

Developed Web blog using Flask and Python Web development   **November 2023**
(Full Stack website application inspired by Notion with multiple features)

Develop Encryption Decryption program from NASM x86   **August 2021**

Experiences

NASA (NASA L'SPACE)
Program Analyst and Computer Hardware Engineer (internship) (Remote)   **April 2024 - August 2024**

- Conducted cost estimation for simulated lunar missions, using advanced methodologies and tools such as NASA MCCET and NICM CERs/SERs.
- Managed mission schedules from prelaunch to closeout, collaborating with project managers, scientists, and engineers.
- Engineered the design of the Command and Data Handling (CDH) subsystem, contributing to mission critical components of the project.

Mountain Cascade, Inc
IT Technician   **March 2020 - August 2023**

- Provided comprehensive IT support, significantly enhancing customer service and satisfaction for engineers, project managers and field workers.
- Advised on technology usage and process enhancements to streamline company operations.
- Managed and optimized Window Virtual Machine Servers, enabling seamless remote engineering work.
- Diagnosed and resolved complex hardware and software issues, with a specialization in Windows environments.
- Configured and enforced security policies and systems on Windows servers to ensure data integrity and protection, including technology upgrades and server optimization, aligning with organizational objectives.
- Delivered IT support for specialized applications, including HCSS, Sage products, and Timberline Accounting.
- Configured NAS server backups to ensure data continuity and security.
- Developed Windows BASH scripts in conjunction with Robocopy to automate data management tasks.
- Repaired laptops and desktop PCs, ensuring their optimal functionality and longevity.
- Set up and configured DNS/DHCP, printers, scanners, and VPN connections to the main office, ensuring seamless network and device integration.

Amber System Technology
Frontend Software Engineer   **April 2018 - March 2020**

- Developed intuitive UX/UI designs for POS systems, improving user experience and customer engagement.
- Managed web content and development projects, ensuring consistency with branding aligned to client requirements.
- Provided technical support via Cisco VoIP, consistently achieving positive client feedback for efficient and effective problem resolution

Volcano Splash Drinks (Small Private Family business)
Barista and Operations Lead   **April 2013 - December 2018**

- Optimized business layout and processes, significantly enhancing customer flow and operational efficiency.
- Developed solution operating procedures, ensuring consistent delivery of highest-quality customer service