

NUTTHAWAT PANYANGNOI (NATHAN)

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Objective:

Eager to pursue growth opportunities in embedded computer or software engineering, leveraging a strong foundation in innovation and a proven track record in high-pressure environments. Quick learner with effective problem-solving skills.

General Skills: AC / DC Systems, Engineering documentation, Soldering, Program Management, Verbal and Written Communication, OOP programming.

Programming Languages & Frameworks: ASM X86 NASM, MASM, MIPS, C, C++, Python, SQL, Python Framework Flask, React Native, JavaScript, Bash Linux, Window Shell, PHP, CSS, HTML, Django Framework, Node JS, Verilog.

Tools: AutoCAD, LTSpice, AMD Vivado, Adobe Creative Products, UNIX/WINDOW/MAC, Microsoft Office suite, GTK Waveform, Robo copy, Virtual Machine (VMware, UTM), Docker.

Language: Fluent in Thai & English

Education:

Bachelor of Science (B.S.) IN COMPUTER ENGINEERING (GPA:3.287)

Expected September 2025

San Jose State University, San Jose, CA, US

Associate in Science (A.S) IN COMPUTER SCIENCE AND MATH (GPA:3.5)

Graduated May 2022

Las Positas College, Livermore, CA, US

Association, Activities, Awards, & Honors:

2024 SJSU Dean's List, Las Positas 2021-2023 Dean's List, EOPS scholarship, Tau Beta Pi Engineering Honor Society, MESA Engineering, SJSU Machine Learning Club and Software Engineering Club, Las Positas Computer Engineer Club and Las Positas Computer Science Club.

COURSEWORK:

Object-oriented Programming, Assembly Language, Operating System Design, Compiler Design, Advanced algorithm design, Calculus I-III, Discrete Math, linear algebra, Differential equation, Circuit Analysis, Digital Design, Software Engineer I, SQL, NoSQL, Computer Architect design.

JOB EXPERIENCE / INTERN

(Intern) Program Analyst and Computer Hardware Engineer NASA L'SPACE Program at NASA

April 2024-present

Remotely

- Estimate the cost for a simulated Preliminary Design Review (PDR) examination of volatile water-ice samples in permanently shadowed regions of the Moon within a budget of \$225M using the following methods: analogy, parametric, engineering, and extrapolation. Utilize tools such as MCCET and NICM CERs/SERs for the estimation process.
- Responsible for managing the mission schedule timeline from Phase C through Phase F (prelaunch to closeout) in collaboration with the project manager, scientists, and engineers.
- Engineered the design for the Command and Data Handling (CDH) subsystem for a simulated Preliminary Design Review (PDR) mission, encompassing the onboard computer, data storage, command interface, and telemetry interface subsystem.

IT technician at MOUNTAIN CASCADE, INC

March 2020- August 21, 2023

Livermore, CA

- Provided IT support, enhancing customer service.
- Managed project delivery for optimal outcomes.
- Identified software upgrade needs for technological improvements.
- Coordinated and implemented new IT projects to meet goals.
- Recommended technology use and process improvements.
- Managed virtual machine servers for remote engineering work.
- Configured security policies and systems.
- Set up and managed virtual machines, built and customized company servers.

- Anticipated and addressed system security issues.
- Configured networking for servers.
- Experienced with Robocopy and Bash scripting.
- Built and repaired customized PCs for company staff.

Front-End Software Engineering at AMBER SYSTEM TECHNOLOGY

April 2018 - August 2019

Pleasanton, CA

- Designed UX and logos for POS systems based on customer requirements.
- Developed webpage templates and managed content.
- Assisted customers in advertising products to meet goals.
- Provided tech support via Cisco VoIP, receiving positive feedback.

Barista/Any vacant role at VOLCANO SPLASH DRINKS

April 2013 - December 2016

Tracy, CA

- Drove marketing initiatives to increase customer reach by 30%.
- Improved store layout design and business planning.
- Gained experience in roles such as business manager, customer service, and sales coordinator.
- Managed and trained over 200 workers, increasing productivity and reducing turnover.
- Created standard operating instructions and conducted staff meetings.