Jeremy Lam Nguyen

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EDUCATION

University of Texas at Dallas | B.S Computer Science   2024
Awards: Academic Excellence Scholarship, STEM Scholarship for the Jonsson School Award.

TECHNICAL SKILLS

Software	C++	C	Java	HTML	CSS
	TypeScript	JavaScript	React	React Native	Python
Tools	Node	Express	FastAPI	Django	SDL2
	Gtkmm	QT	GitHub	Docker	Nginx
	Netlify	Google Cloud	MongoDB	AWS	Linux
Others	DevOps	Full stack	CI/CD	Cloud Computing	

PROFESSIONAL EXPERIENCES

PplLdr, LLC   Chief Software Engineer   Aug 2023 - Present
- Architected overall system to ensure cost-effective solution, performance, and user experience.
- Developed full stack web application with Django, React, and deployed to AWS EC2 instance.
- Managed CI/CD pipeline with Github Action, containerized application with Docker.
- Handled SEO to improve web traffic.

Department of Defense   Army National Guard   Mar 2020 - Present
- Inspected, maintained, and reported deficiencies of $1.5 million worth of heavy military armored vehicles, weapon systems, and other equipment.
- Operated and repaired the Engagement Skills Trainer system.

L3 Harris Technologies   Software Developer   Jan 2023 – Aug 2023
- Managed project pipeline for continuous integration and development using Jenkins and Gitlab CI.
- Automated systematic Doxygen-styled documentation for code modules using Bash.
- Created unit tests with QTest. Implemented code coverage visualization.
- Developed user interface with C++ using QT4 and QT5 frameworks.
- Integrated code security scan with Coverity.

NSIN X-Force Fellowship   Software Developer   Jun 2022 - Aug 2022
- Led fellowship team in developing the Modular Real Time Enterprise, for the Department of Defense.
- Extended previously Linux-only software to cross compatible with Windows systems by re-writing OS-independent libraries and translating Bash Script to Python.
- Revised, updated, and maintained legacy C/C++ 98 code to C/C++17 standard as well as migrated deprecated GUI API Gtkmm2 to Gtkmm3, and improved user interface aesthetic.

PERSONAL PROJECTS

Physics Engine   C++, SDL2, Docker, Physics, Mathematics
- A desktop software that renders and calculate states of rigid-body system dynamic.

Paddle   React, JS, Python, MongoDB, FastAPI, Docker, Nginx, Google Cloud
- WeHack 2023's first-place winning web application.