

Jeremy Lam Nguyen

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EDUCATION

University of Texas at Dallas | *B.S Computer Science* | GPA: 4.0

May 2024

Awards: Academic Excellence Scholarship, STEM Scholarship for the Jonsson School Award.

TECHNICAL SKILLS

| | | | | | |
|----------|--------------------------|---------------------------------|------------------------------|-------------------------|------------------------|
| Software | C++ TypeScript | C JavaScript | Java ReactJS | HTML React Native | CSS Python |
| Tools | Node gtkmm Netlify | ExpressJS QT Google Cloud | FastAPI GitHub MongoDB | Django Docker AWS | SDL2 Nginx Linux |

PROFESSIONAL EXPERIENCES

Independent Software Developer *Self-employed* May 2022 - Present

- Developed and deployed full stack web-based applications for various clients.

Department of Defense *Army National Guard* Mar 2020 - Present

- Operated and repaired the Engagement Skills Trainer system.
- Inspected, maintained, and reported deficiencies of \$1.5 million worth of heavy military armored vehicles, weapon systems, and other equipment.

L3 Harris Technologies *Software Developer* Jan 2023 – Aug 2023

- Developed user interface with C++ using QT4 and QT5 frameworks.
- Worked on data transmission software and developed mathematical methods.
- Created unit tests with QTest. Implemented code coverage visualization.
- Automated systematic Doxygen-styled documentation for code modules using Bash.
- Integrated code security scan with Coverity.
- Managed project pipeline for continuous integration and development using Jenkins and Gitlab CI.

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.

Project Yumiya *NodeJS, ReactJS, ExpressJS, RESTful API, Docker, Nginx, MongoDB, Netlify*

- A full stack application that supports users' time management by highlighting and summarizing daily events, provides a quick-access note taking user interface, route planning, and streamlines insights to external factors that could affect planned events.

Paddle *ReactJS, JavaScript, Python, MongoDB, FastAPI, Docker, Nginx, Google Cloud*

- WeHack 2023's first-place winning web app which organizes and suggests local humanitarian opportunities aimed to help tourists explore diverse cultures while traveling.