

Jeremy Nguyen

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EDUCATION

The University of Texas at Dallas | Richardson, TX

December 2024

- Bachelor of Science in Computer Science – GPA: 4.0
- Relevant Coursework: Computer Science, Computer Architecture, Data Structures and Algorithm Analysis, Discrete Mathematics for Computation, Electricity and Magnetism, Mechanics, Differential and Integral Calculus, Linear Algebra

SKILLS

- Software: C++, C, Java, HTML, CSS, TypeScript, JavaScript, Python, MIPS Assembly, Bash Script
- Tools: Node.js, gtkmm, Linux Command Lines, AutoCAD, Microsoft Office, GitHub
- Other: Mathematics, Physics, Vietnamese (Native Language), Japanese (Beginner)

EXPERIENCE

GXM Contractor – NSIN (Army) | Software Engineer

June 2022 – Present

- Convert the current GUI code of a software, as part of WSMR Modular Real Time Enterprise for post-mission data analysis from high-speed projectiles, written in gtkmm2 API to gtkmm3 API: removing deprecated functions, engineer solutions for code errors due to incompatibility between API versions
- Add cross compatibility between Linux and Windows by unifying different OS-dependent third-party libraries by updating the current C/C++98 code to C/C++17
- Compile libraries and write Python scripts for the above software for operation in both Windows and Linux environment. Lay foundations for future updates which introduces compatibility for Android Operating Systems

Artificial Intelligence Society | Back-end Software Developer

February 2022 - Present

- Back-end development using TypeScript and Discord API to improve and add new functionalities for the organization's instant messaging platform, aiming to engage and encourage more interactions between members of the organization

U.S. Department of Defense – Armed Forces | Texas Army National Guard

March 2020 – Present

- Inspect military transportation units (LMTV, HUMVEE, etc.), report malfunctions for maintenance team
- Load and unload military equipment, transport cargo for projects using heavy-duty trucks (LMTVs)
- Read, interpret, and take initiative to implement construction project drawings with other construction engineers in same or many platoons into job sites
- Closely complete tasks set forth by leaders and accurately report mission outcomes to senior Non-Commissioned Officers
- Clean, maintain, repair, and inventory firearms and other weapon systems

Numerade | Mathematics and Physics Content Creator

March 2021 – February 2022

- Content creator by recording videos explaining problems presented in textbooks
- Respond to homework questions in real time on Q&A sections and record a video explaining the topic in an in-depth manner

Mathnasium | Mathematics and Physics Tutor

June 2019 – May 2020

- Tutor math ranging from K-12 including specialized topics including Calculus, Linear Algebra, Statistics, IB Math
- Tutor high school physics to college-level, calculus-based physics (Mechanics and Electric & Magnetism)

INVOLVEMENT

Texas A&M Machine Learning | Camp Counselor

July 2021

- Technical help and guide an assigned group of 4 middle school and high school students creating a PowerPoint and demo addressing the statistics of Coronavirus cases
- Coordinate the 3-day camp event with the official organizer, monitoring students, and taking accountability of campers

TAMU Hack | Mentor

January 2022

- Technical help with development tools and general programming fundamentals, syntax, logic, data structures, and algorithms

CERTIFICATION

- *HackerRank Problem Solving (Basic)* | HackerRank