Jeremy Lam Nguyen

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EDUCATION

The University of Texas at Dallas | Richardson, TX | Junior   **December 2024**
· Bachelor of Science in Computer Science – GPA: 4.0   Fall 2021 – Present
· *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, ReactJS, Python, MIPS Assembly, Bash Script
· *Tools:* Node.js, gtkmm, Linux Command Lines, AutoCAD, Microsoft Office, GitHub
· *Other:* Mathematics, Physics, Vietnamese (Native Language), Japanese (Beginner)

PROJECT

Project Yumiya | *NodeJS, ReactJS, Google Map API, Google Calendar API, OpenWeatherMap API*   **In-Progress**
· A web-based application that support users' time management by highlighting and summarizing daily events, providing a quick-access note taking user interface, and providing insights to potential unexpected external factors that affects planned events

EXPERIENCE

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

GXM Contractor – NSIN (Army) | Software Engineer   **June 2022 – August 2022**
· Convert the current GUI code of a software, as part of WSMR Modular Real Time Enterprise for high-speed projectiles performance data analysis, 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

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

Artificial Intelligence Society | Back-end Software Developer   **February 2022 – September 2022**
· 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

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