

# Justin Nguyen

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## EDUCATION

### University of Minnesota – Twin Cities

Expected Graduation: May 2025

*Bachelor of Science in Computer Science*

*Minneapolis, MN*

- **Selected Coursework:** Data Structures and Algorithms, Databases, Artificial Intelligence, Computer Architecture, Operating Systems, Computer Graphics, Statistics, Linear Algebra, Calculus II
- **Achievements:** Dean's List Spring 2024

## TECHNICAL SKILLS

**Programming Languages:** OCaml, C/C++, Java, Python, JavaScript, HTML, CSS, SQL, Bash, Assembly

**Environments & Frameworks:** Node.js, React, VS Code, Git, GitHub, CLI, Linux, IntelliJ, Vim

**Libraries and Tools:** pandas, NumPy, Matplotlib, JUnit, Microsoft Office Suite

## WORK EXPERIENCE

### Teaching Assistant, Computer and Machine Architecture

September 2024 – Present

*University of Minnesota, College of Science and Engineering*

*Minneapolis, MN*

- Lead and guided computer architecture labs
- Taught students memory allocation, cache, assembly, architecture, optimizations, machine code, pipelining, ALU, instruction set architecture, Linux, system design, circuits, IEEE 754, I/O, and branch prediction
- Improved network efficiency improving student access to university labs
- Held office hours to support computer science students

**Skills Gained:** Technical communication, improved core knowledge of low level concepts

### Calibration Analyst Intern

June 2024 – September 2024

*Bio-Techne*

*Minneapolis, MN*

- Performed, maintained, and troubleshooted various medical equipment
- Developed and implemented new lean management processes and standards utilizing technological tools to streamline operations across corporate departments
- Ensured compliance with ISO standards by recalling and issuing calibrated assets, achieving a readiness rate of over 93%
- Applied data analysis techniques to interpret and optimize calibration reports, leveraging statistical methods and software tools
- Collaborated closely with interdisciplinary teams, utilizing strong communication skills to bridge technical and operational requirements

**Skills Gained:** SQL, Communication, Teamwork, Networking, Resilience

## EXTRACURRICULARS

### Social Coding

*University of Minnesota*

*Minneapolis, MN*

- Leading a team of students in the development of software
- Experimenting with various technologies
- Designing a marketplace webapp for students to advertise their products (Gopher Goodwill)

## PROJECTS

Gopher Goodwill	Current
OpenGL Vectorized Text Rain	Current
Lisp Math Interpreter	March 2024
NumPy Neural Network Facial Recognition	December 2023
Ferry Discrete Event Simulator	May 2023