

Vanessa Guan

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EDUCATION

Northeastern University Expected May 2026

B.S. in Computer Science and Computer Engineering

GPA: 3.59/4.00

- **Dean's List | Relevant Coursework:** Physics 2, Calculus 2, Differential Equations, Discrete Structures, Circuits and Signals, Fundamentals of Computer Science, Computing Fundamentals for Engineering
- **Associations:** Oasis Club, Society of Women Engineers, Enabling Engineering, Harvard Ballet Company

American College of Thessaloniki

September - December 2022

Semester Abroad through N.U.*in*

Franklin High School

May 2022

GPA: 3.8/4.3

- **Activities:** National Honor Society, STEAM Pathway, School Board/Superintendent Student Representative, Period Movement President
- **Awards:** Academic High Honor Roll, Presidential Award for Academic Excellence

SKILLS

Programming: C++, Python, MATLAB, Java, ROBOTC

Electronics: Arduino, basic circuit design, soldering, digital multimeter, oscilloscopes, function generators

Software: AutoCAD, SOLIDWORKS, PSpice, MAC OS, Windows OS

Languages: Conversational Cantonese

ENGINEERING PROJECT

Interactive Children's Sustainability Exhibit

November 2022

- Integrated Arduino and MATLAB to create interactive circuit completers with various resistor values, while also acting as project manager to deliver on time, with high quality.
- Applied Value Sensitive, APEX, and EDGE design via and development of a children's water conservation exhibit.

WORK EXPERIENCE

Northeastern University, Boston, MA

January 2023 – May 2023

Lead Mentor

- Selected to direct my peers in their instruction of core engineering principles to inspire elementary-aged children to become engineers themselves.
- Developed a curriculum that fostered understanding through engaging and practical activities.

We Got Food, Sacramento, CA

December 2018 – August 2022

Secretary and Treasurer

- Successfully managed the non-profit's financial transactions, diligently tracking both donations and expenses to ensure the organization's financial stability and accountability.

Willow Way Tutoring, Elk Grove, CA

September 2020 – April 2022

Tutor

- Guided English as a Second Language (ESL) students through core academic subjects.

Dos Coyotes Border Cafe, Elk Grove, CA

May 2022 – September 2022

Cashier and Waitress