

NATALIE TRAN

Civil Engineering Student

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EDUCATION

Wilbur Wright College

Associates in Engineering Science | Civil Engineering

📅 August 2021 - May 2023

Relevant Coursework: Statics, Intro to C++, Calculus I/II/III, Physics I/II

- Rigorous coursework as per UIUC Engineering Pathways program
- Planned transfer to UIUC Fall 2023 and Bachelor's in Civil Engineering completion May 2025

WORK EXPERIENCE

Oh, Keycaps!

Vendor

📅 August 2022 - Present

- Independent hybrid working from home and in-office
- Created firmware and handwired keyboards

Wilbur Wright College

Tutoring

📅 January 2022 - May 2022

- Guided students to success in difficult classes
- Developed stronger skills in Math and Physics
- Able to word explanations for students of all skill levels to understand

Gorilla Sushi

Waiter/Chef/Hostess/Packer

📅 June 2021 - August 2022

- Challenging fast-paced and detail-oriented environment
- Constant communication needed between co-workers
- Managed the dining area and delivery drivers

PROJECTS

Keyboard Design

Created firmware written in C using QMK for multiple custom keyboards. Used Solidworks to graphically design and 3D print keyboard cases, along with one aluminum case custom CNC'd. Designed keyboard PCBs in KiCad, and got them manufactured. Handwired many keyboards without a PCB.

Cassette Deck Restoration

Diagnosed mechanical and electronic problems and replaced belts, resistors, capacitors, diodes, and transistors for multiple cassette decks (TEAC V-700, Sony TC-71, Harman/Kardon TD392, JVC A1)

LEADERSHIP

Society of Women Engineers

President

📅 May 2022 - Present

- Overseer of executive board and all members
- Grew membership from 10 to 70+
- Maintainer of documentation and resources distributed
- Planner of events spreading engineering interest

Society of Women Engineers

Education Director

📅 January 2022 - May 2022

- Organized and tutored in weekly physics group tutor sessions
- Planned and refereed a robotics competition

American Chemical Society

Public Relations

📅 January 2022 - May 2022

- Coordinated with the Student Government Association to allocate resources to ACS
- Communicated with different organizations to plan coordinated events

First Robotics Competition

Team Mentor (4645)

📅 September 2021 - May 2022

- Overseer of over 100 highschool students
- Guided team leaders on organizing and planning a timeline to build a robot
- Technically advised mechanical designs

TECHNICAL SKILLS

C++

HTML/CSS/JS

Java

Latex

Swift

Solidworks

KiCad

Powerpoint

Excel

Soldering