VI TRAN

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EDUCATION

DARTMOUTH COLLEGE, Hanover, NH   **June 2023**
Degree: Computer Science and Economics, B.A.   **GPA 3.93/4.0**
Relevant Coursework: Introduction to Programming & Computation, Problem Solving: Object-Oriented, Foundation of Applied Computer Science, UX/UI Design, Introduction to Statistical methods.

EVERGREEN VALLEY HIGH SCHOOL, San Jose, CA   **June 2019**
Honors: Valedictorian, ELKS Most Valuable Student, Questbridge Scholar, National Honor Society   **GPA 4.0/4.0**
Activities: Robotics Secretary; Audio, Visual and Technology Committee Head; Wall Street Club vice president.

EXPERIENCE

DARTMOUTH APPLIED LEADERSHIP AND INNOVATION LAB, Hanover, NH.   **January 2020 - Present**
Founder of Fine-ance
- Founded a tool to solve the problem of finance mismanagement among college students. Replacing Dartmouth College's current application. Expanding to mobile on top of web to maximize user convenience.
- Introducing 10+ new features like dynamic spending recommendation and tracking, in-depth visualization, incentive system, and education resources for finance management beyond college.

SLAC NATIONAL ACCELERATOR LABORATORY, Menlo Park, CA.
Software Engineer Intern   **June - August 2019**
- Designed, assembled and tested a low-cost timing system for particle detection at a precision of 1 nanosecond.
- Constructed a 50 pico-seconds pulse simulator and explored the capability of 2 microcontrollers to trigger the analog to digital converter conversion at the pulse's rate (50 pico-seconds).

Electrical Engineer Intern   **June - August 2018**
- Built a low-cost, self-adjusting, temperature-controlled enclosure with fluctuation in the hundredth decimal of a degree at feedback point and in the tenth decimal at the furthest location.
- Exceeded expectation by completing the prototype 2 weeks before the deadline.

DARTMOUTH COLLEGE, Hanover, NH
Teaching Assistant (Computer Science)   **March 2018 – Present**
- Conducting interactive discussions on a weekly basis with 10 students. Assisting over 50 students by clarifying questions, trouble-shooting codes, and reviewing contents.
- Led 2 sections of 7 students, of which all 14 earned above median to top marks in the class.

Tutor (Computer Science and Economics)   **January 2018 – Present**
- Helping students understand concepts, algorithm and Python syntax. Clarifying statistical and economic theories.
- Facilitating a learning environment for one-on-one tutoring with 2 students per term.

BAY AREA BARTENDING COMPANY, San Jose, CA.   **March 2018 - March 2020**
Product developer
- Automated the price calculation process which reduced wait time from 3 days to 10 seconds for a quote estimate and from 5 days to under 1 day for an official quote.

LEADERSHIP

WOMEN IN COMPUTER SCIENCE, Hanover, NH.   **September 2019 – June 2020**
Freshman representative
- Matched 30+ women with experience in the CS career path to aspiring younger women in a mentor-mentee program.
- Coordinated events to provide more information about the CS career path for women.

SKILLS & INTERESTS

Proficient with: Python, React, HTML, CSS, Java, Mural, Figma
Familiar with: Git, Google Spreadsheet
Languages: Vietnamese (first language), English (fluent)
Interests: Meeting new people, UI design, board games, puzzles