

VINH NGUYEN (VINCE)

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EDUCATION

University of California, Davis.

Bachelor of Science, Mechanical Engineering

- Minor in Computer Science
- Expected graduation in December 2020
- GPA: 3.82/4.00

TECHNICAL SKILLS

- Shop Skills: Laser cutters, 3D printers, Lathe, Mill
- Programming: Python, C++, HTML, Matlab
- Software: SolidWorks, Fusion 360 CAM, LabVIEW, NI VirtualBench, Excel, Word, PowerPoint

EXPERIENCE (Portfolio: <https://vinengineer.github.io>)

Ultrasil Corp. - Hayward, CA

July 2019 - September 2019

Process Engineer Intern (Semiconductors - Silicon Wafers)

- Assisted the R&D team in developing new wafer polishing processes that decrease the TTV (Total Thickness Variations) to 1 ± 0.2 (μm)
- Wrote procedures for processing and inspecting silicon wafers on Daitron edge-grinder, Okamoto nano-grinder, Rigaku X-ray diffractometer, Filmetric thickness mapper
- Helped R&D engineers identify the factors that affect the average thickness of the wafers during polishing and successfully achieve thickness tolerance of under ± 3 (μm)
- Performed quality control on SOI (silicon on insulator), STD (standard) wafers using Filmetric thickness mapper and E+H geometry gauge
- Calculated and analyzed wafer thickness removable rate
- Monitored and ensured the quality of the slurry mixture

University of California, Davis.

November 2018 - May 2019

SAE Aero Design Competition

- Worked in a team of 5 students to research different shapes of airfoils to design the wing
- Manufactured ribs and foam cores for the wing using laser cutter and CNC mill
- Cooperated with fuselage, electronics, landing gear and empennage team to build the aircraft

College of Alameda. - Alameda, CA

March 2015 - July 2018

Math Tutor

- Tutored math up to advanced calculus for students of Alameda College
- Promoted tutoring services to the student population by giving tours and information sessions
- Organized monthly exam review sessions for groups of up to 10 students

Asiate Corp. - Oakland, CA

July 2016 - January 2017

Office Assistant

- Observed and learned to use Accounting CS software from the training manager
- Recorded financial transactions of businesses for bookkeeping functions
- Worked with clients to prepare payroll information by collecting, calculating, and entering data on monthly and quarterly basis

HONORS

- Chevron scholarship recipient May 2018 - Present
- UC Davis Regents scholarship recipient April 2018 - Present