NILAY PATEL
npatel84@calpoly.edu | (505) 862-6771 | [LinkedIn](#) | [GitHub](#)

Education

California Polytechnic State University, San Luis Obispo *Exp Grad: June 2022*
Bachelor of Science, Electrical Engineering **Major GPA – 3.88**
Ohlone College | Fremont, CA *May 2020*
Associates of Science, Electrical Engineering
Associates in Arts, Business Administration

Relevant Coursework: Data Structures and Algorithms, Semiconductor Devices Electronics, Digital Signals and Systems, Computer Design and Assembly Programming, and IT Project Management

Skills

Languages: Python, System Verilog, HTML, CSS, Linux
Tools: PSpice, MATLAB, AutoCAD , NI Multisim, Vivado, Visual Studio Code
Other: Microsoft Suite, Problem Solving, Verbal and Written Communication, Leadership, Multilingual

Work Experience

Founder – *IC Screen Protectors* *Sept 2019 – Present*
- Developed an innovative and low maintenance matte screen protector to combat the issue of fingerprints and glares on automobile screens that impair a driver's vision. (*U.S. Patent Pending*)

Senior Technologist – *Audi of Fremont* *Feb 2018 – June 2020*
- Updated software paired a wide variety of garage door openers and worked with internal components such as fuses; Solved any interior system malfunctions from any given client.

Math Embedded Tutor – *Ohlone College* *Sept 2019 – May 2020*
- Improved averaged class performance by 25% through effective study methods and guidance.
- Encouraged students to understand the core concepts and engaged with students to work through analytical homework problems.

Projects

PWC Case Competition – *San Jose State University* *March 2020*
- Recruited students to form community college team of 5 that competed in a business competition tasked deciding whether an appliance company should enter the smart technology market.
- Led the engineering analysis and solution creation for the team.
- Award(s) – *Second Place* for a regional competition.

SMUD Solar Regatta Competition *March 2019*
- Led a competitive team and ensured efficiency to create an innovative mechanical design of a solar-powered boat with two propellers to propel and steer the boat by implementing a rudder-less strategy.
- Award(s) ─ *Best Technical Design and Lead by Example.*

Leadership Experience

Co-Founder, *Bay Area Young Advocates* *June 2018 – Present*
- Developed a team to report findings to the college administrative board.
- Established the first campus wide bus system to provide students transportation between campuses.

President, Ohlone Engineering Club – *Ohlone College* *Feb 2018 – May 2019*
- Tripled member growth and involvement by providing students with projects and challenged teamwork by inspiring students to inspect engineering at different dimensions.
- Organized panels to better understand engineering topics and collaborated on projects.