NILAY PATEL

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Education

California Polytechnic State University, San Luis Obispo   *Exp Grad: June 2022*
Bachelor of Science, Computer Engineering [Dean's list]   **GPA – 3.75**
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, HTML, Java, CSS, System Verilog, MacOS Linux
Tools: PSpice, MATLAB, Solidworks, NI Multisim, Xilinx Vivado, Visual Studio Code, IntelliJ
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*)
- 10% of the proceeds are dedicated to the St. Jude's Children Research Hospital.

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

PCB Designing and Soldering   *Sept 2020 – Present*
- Designed PCBs using Autodesk Eagle to make continuity testers, digital clock, alarm clock and similar projects to get comfortable with soldering and PCB designing.

SMUD Solar Regatta Competition   *March 2018 – 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

Web Committee Chair, Theta Tau – *Cal Poly SLO*   *April 2021 – Present*
- Expanding skillset by taking an online course on React.js to improve further the Theta Tau website built using React as my knowledge for Java, CSS and HTML is not as compatible with React.

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.
- Hosted robotics workshops by providing opportunities to work with Arduino for students.