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 a *Udemy* course 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.