DENIL POUDEL

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EDUCATION:

California State University, Long Beach (CSULB) – GPA: 3.65 | Major GPA: 3.81　　*Aug 2017 – Present*
Honor's College of Engineering | Major: Electrical Engineering | Minor: Computer Science

INTERNSHIP:

Level 2 Designs - Orange, California　　*Nov 2018 – Present*
Technical Intern
- Work with clients to optimize HTML & CSS for their websites
- Remotely monitor and manage virtual machines on servers using VMWare and LogMeIn
- Create an in-depth network diagram of a client's network with over 200+ nodes

PROJECTS:

Go-Kart　　*Aug 2018 – Present*
Project Lead
- 3D model a 68" x 36" x 48" fully functional go-kart with interactive subsystems
- Design 'fake' transmission, exhaust note, tachometer controlled via Arduino to mimic driving of a sports car with manual transmission

Floor Piano for TEDx Social Space　　*Sept 2018 – Oct 2018*
Project Lead
- Design a 9" x 5" single octave floor piano from hardwood with custom electronic switches
- Wire switches and LEDs with transistors to Arduino to active sound and LEDs when stepped on
- Program Arduino to communicate via serial to Processing (Java) to control the sound

Semi-Autonomous Bi-Pedal Walker with 6DOF　　*June 2018 – Aug 2018*
Personal Project
- Design and 3D model 2-legged robotic humanoid for 3D printing in Autodesk Inventor
- Program humanoid to walk in Arduino with GUI in Processing (Java)

Robotic Hand　　*Apr 2018 – Aug 2018*
Personal Project
- Design and modify 3D model of prosthetic hand into a robotic hand in Autodesk Inventor
- Detect and replicate user's hand gestures through flex sensors and servos controlled via Arduino

LEADERSHIP EXPERIENCES:

Theta Tau – Professional Engineering Fraternity　　*Sept 2017 – Present*
Fundraising Chair & Project Lead
- Organize and plan 4-5 fundraising events for the semester with a committee of 4 members
- Coordinate and oversee 2 main fraternity projects (Go-Kart and Floor Piano)

Institute of Electrical and Electronical Engineers (IEEE)　　*Sept 2017 – Present*
Freshmen Retention in Electrical Engineering Officer
- Provide guidance for over 10+ freshmen in Computer Science and Electrical Engineering over the course of 10 weeks
- Lead 1-2 technical workshops for the College of Engineering

SKILLS:

Programming: C, Arduino, MATLAB, VHDL, Processing, HTML, CSS
Tools: CAD Modeling, 3D Printing, GIT, Soldering,
Other: Microsoft Office, Adobe Illustrator, LogMeIn, VMWare

AWARDS:

- Dean's Leadership Institute　　*Sept 2018 - Present*　　• Long Beach Rotary Scholarship　　*Aug 2017 - Present*
- Edison STEM Scholarship　　*May 2018 - Present*　　• Hampton Scholarship　　*Aug 2017 - Present*

HOBBIES: Rock Climbing/Bouldering, Hiking, Traveling, Cars