KENSON NGUYEN

ELECTRICAL ENGINEERING UNDERGRADUATE

CONTACT

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KensonN

EDUCATION

Summit Public Schools: Rainier — Aug. 2015 to June 2019
GPA: 4.0 (unweighted), 4.37 (weighted), 4.25 (UC/CSU)
AP Scholar with Honor

University of California, Los Angeles — Sept. 2019 to Current
Coursework: Intro to Computer Science 1 & 2 (C, C++), Introduction to Computer Organization (x86-64 Assembly, C), Introduction to Electrical Engineering (Arduino), Engineering 96a: CubeSat (Python, Arduino), Differential and Integral Calculus, Multivariable Calculus, Physics: Mechanics, Physics: Oscillations, Waves, Electric and Magnetic Fields
GPA: 3.33

SKILLS

HTML, CSS, Javascript, ReactJS, C/C++, Python, Arduino, x86-64 Assembly

EMPLOYMENT

Artik Art and Architecture
Architecture Intern — Aug. 2018 to May 2019
- Designed and created model of library building using Autodesk Revit 2017 CAD software
- Generated high-quality photo-realistic renders of library-of-the-future using Autodesk Cloud Rendering

Personal Math Tutor
Algebra Tutor — Sept. 2016 to June 2017
- Worked one-on-one with 6th grade student

Target Corporation
Remodel Specialist — July 2019 to Sept. 2019
- Assisted in transferring merchandise in accordance to new store layout

PROJECTS

Data Acquisition System (Bruin Racing: Supermilage Vehicle) — Sept. 2019 to Current
- Worked with team to implement data gathering system on electric vehicle to further optimize vehicle
- Added a variety sensors including IMU, gyroscope, hall effect sensors etc. to Arduino-based system
- Integrated Arduinos with LattePanda and Google Firebase to collect real-time data using Python
- Developed real-time driver dashboard to display relevant data to driver of car using Firebase and ReactJS

Open Project Space (Institute of Electronics and Electrical Engineers) — Sept. 2019 to Apr. 2020
- Completed a variety of mini-projects pertaining to electrical engineering
- Learned soldering, basic circuit components, basic circuit design, PCB design, Arduino programming

Bluetooth speaker with RGB matrix, Arduino — 2018
- Created audio-reactive lighting effects using Adafruit Neopixel and FastLED libraries
- Soldered speakers, addressable RGB LED matrix, and other components to PCB
- Built wooden speaker enclosure using various power tools

Lighting Effects for the Logitech G910 Keyboard, C++ — 2017
- Created various keypress-triggered lighting effects for the Logitech G910 Keyboard using Logitech LED Illumination SDK

AWARDS

Summit Public Schools: Rainier · Departmental Spanish Award — June 2016

Summit Public Schools: Rainier · Departmental Physics Award — June 2017

Tech Challenge @ the Tech Museum · Best Design — May 2015

ACTIVITIES

California Scholarship Federation · Treasurer — Aug. 2017 to June 2019
- Managed club finances using Google Spreadsheets
- Coordinated event logistics

Interact Club · Service Events Coordinator, Secretary — Aug. 2017 to June 2019
- Organized several community service events, such as creek clean-ups and community runs
- Coordinated communications with general members