

Kenny Peng

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EDUCATION

University of Southern California

December 2023

- Bachelor of Science in Electrical Engineering (3.92 GPA)
- Related coursework: Introduction to Digital Signal Processing, Parallel and Distributed Computation, Linear Systems, Distributed Systems for the Internet of Things, Introduction to Digital Circuits, Introduction to Embedded Systems

RELATED SKILLS

CAD Product Design

- Familiar with SOLIDWORKS and Fusion 360 (modeling intended for 3D printing)
- Familiar with EAGLE and EasyEDA

C/C++, and Python Programming

- Proficient with embedded programming using Arduino
- Certified following Nvidia “Fundamentals of Deep Learning” workshop
- Familiar with PyTorch, Pandas, and OpenCL/CUDA

PROJECTS

RGB LED Fluid Simulation Display

August 2021

- Authored a workaround C++ data class in order to deal with an unresolved bug in ESP32 compiler

Audio Spectrum Visualizer Device

February 2021

- Programmed high-performance audio visualization using DFT on an ESP32 microcontroller
- Implemented concurrency between screen output and audio sampling using buffer memory structures

WORK EXPERIENCE

Intern | Beryllium

June 2022–August 2022

- Solved an optimal trading with future knowledge problem (as a shortest path problem) to evaluate different pricing systems
- Translated questions raised at meetings into visualizations and quantitative data queries
- Designed an allocation algorithm around a model of customer behavior to encourage greater participation

Camera Operator | DEN@Viterbi

August 2021–Present

- Monitors and ensures remote college class experience
- Operates audio mixing board, video switcher, and multiple cameras concurrently
- Coordinates with professors and technical support to quickly solve any issues during class