



## Education

### BS | Computer Engineering

University of California-San Diego |  
Sep 2018 - June 2022

## Career Objective

I am looking for an internship  
for **software web app design or  
development**

### Availability

April - September 2021

## Coursework

### computer science

advanced data structures  
computer architecture  
embedded system  
theory of computability  
OO design

### electric

linear system  
control theory  
signal processing  
digital circuit design  
analog design

### math

calculus  
probability  
statistics  
linear algebra  
multivariate calculus  
discrete mathematics  
differential equations

## Skills

### programming

java • verilog • matlab • python • c  
c++ • bash script • arm • node.js  
latex

### tools

vscode • vim • unix • eclipse  
arduino • beaglebone  
autodesk fusion 360 • loggerpro  
github • modelsim • quartus

## Projects

### Web Application for diaries - Compass

- A web app to upload vlogs and audio recordings as personal diaries.
- Used node.js, jquery and bootstrap, hosted by heroku, and designed using Figma.
- Participated from brainstorm, design, coding to deploy.

### App for casting preparation - GoldCast

- GoldCast is designed for a high efficient casting process.
- GoldCast uses a recommending algorithm to assist users during initial audition process.
- This program used node.js, jquery, bootstrap. Used firebase to host as database.
- This program is designed using Figma.

### ARMOR parachute DAQ project

- Measure string tension on the button of a parachute to detect abnormal situations
- Design circuit based on Wheatstone bridge and build codes from scratch
- Used C programming on Beaglebone Black and soldered SMD onto circuit

### C-CNN-GAN music generator - Chiptune

- Chiptune is a 8-bit music generator which uses a deep learning model called C-CNN-GAN.
- This program can create similar style music clips by learning from a given music set without prior classifications.
- This program is in python with supports from pytorch.

## Experience

### CSE tutoring program in UC San Diego | tutor

Sep. 2019 - Present

- Tutored "intro. to Java I" for FA19; "intro.to Java II" for WI20; "intro to computer architecture" for SU20 1&2 sessions; "advanced data architecture" for FA20
- Take responsibilities in lab hours and tutor hours
- Help the instructor in grading assignments, teaching, and designing the class

### LaunchIt project | digital marketing

Jan. 2019 - Sep. 2020

- Working with visual media marketing projects.
- Designed and launched a few digital posts and animation.

### ARMOR Laboratory in UC San Diego | volunteer

Jan. 2019 - Sep. 2020

- Assist in both soft robotics project and wearable sensor project