



Education

BS | Computer Engineering

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

Career Objective

I am looking for an **internship** for
hardware/software design or
development

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

Awards

warren honors society

Jan. 2019 - Present

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

- CastApp is designed for a high efficient casting process.
- CastApp 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 12 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