Suann Chi

http://suannchi.com
suannc@andrew.cmu.edu | 925.922.2106 | U.S. Citizen

EDUCATION

CARNEGIE MELLON UNIV.
BS in Electrical and Computer Engineering
Expected May 2019
Pittsburgh, PA
Software Track
Second major in Biomedical Engineering

COURSEWORK

Computer Science
15-462
Computer Graphics
18-213
Introduction to Computer Systems
15-122
Principles of Imperative Programming
15-112
Fundamentals of Programming

Electrical Engineering
18-330
Intro to Computer Security
18-491
Intro to Discrete Signal Processing
18-290
Signals and Systems
18-240
Structure and Design of Digital Systems
18-220
Electrical Devices and Analog Circuits

SKILLS

Software
C • C++ • Python • MATLAB
Unix • SystemVerilog
Microsoft Office • iOS
Github • LaTeX

Hardware
Generators • Inductors • Filters
Jammers • Multimeters
Oscilloscopes

Spoken Languages
English (Native) • Chinese (Fluent)
Spanish (Conversational)

EXPERIENCE

FOREST DEVICES | Electrical Engineering Intern
June - Aug 2018 | Pittsburgh, PA
- Reworked GUI code to work with new display.
- Created an installer that sets up necessary coding environment for future development.
- Reworked the alarm system on the device.

COLUMBIA UNIVERSITY HAN LAB | Lab Assistant
June - Aug 2016 | New York, NY
- Purified antibodies in imaging process of FadA.
- Analyzed data using MATLAB.
- Prepped lab equipment for research in Fusobacterium effects on fetal mouse lung structure.

PROJECTS

GitHub: suann-c

DANCE DANCE REVOLUTION | High energy movement game
Jan 2018 | Pittsburgh, PA
- Worked with a team to recreate software and hardware aspects of classic dance game.
- Designed backend game logic using Pygame.
- Contributed art assets throughout development process.

PROXY | HTTP 1.0 GET request proxy
Dec 2017 | Pittsburgh, PA
- Created a working proxy that services HTTP 1.0 GET requests using C.

C0 VIRTUAL MACHINE | Safe subset of C
July - Aug 2016 | Pittsburgh, PA
- Implemented a virtual machine which is a safe subset of C.

CATFISH | Internet safety education and word game
April - May 2017
- Created a game in Python using tkinter and MS paint.
- Hand drawn art.

ACTIVITIES

2016	Present	K-Pop Dance Club
2016	Present	Robotics Club
2015	Present	Biomedical Engineering Society
2015	Present	Game Creation Society