

Peter Hu

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EDUCATION

BS Computer Science

Aug 2017 - Dec 2021

San Francisco State University, 1600 Holloway Avenue San Francisco, CA 94132 Major 3.5

WORK EXPERIENCE

Assistant

May 2021 - Present

SFSU, 1600 Holloway Avenue San Francisco, CA 94132

- Designed Python class for Computer Engineering students by introducing OOP.

Assistant researcher

2020 - Present

San Francisco State University, Computer Engineering lab

- Designed smart-glove with 88% accuracy by implementing Machine Learning with help of Arduino

SKILLS

Programming Language Java, Python, C++, React, HTML, Heroku, AWS, Linux, MongoDB, Postgres, Android, Distributed System, Data Structures, Operating System, Algorithm
Language English, Chinese, Hebrew

PROJECTS

Uno game *Node.js, Express, Express-Generator, Sequelize, Postgres, Socket.io, Express-session* <https://fast-beyond-10302.herokuapp.com/>

Designed a Uno game takes 4 players by using Socket.io to create a lobby with data manipulating from (Postgres)Database and broadcasting online chat.

Smart Glove *Arduino, C++, Linux, Python, Machine Learning, Algo: KNN, Breadboard Circuit, Bluetooth, Tkinter, Matplotlib* can show you video and picture

A smart glove made with gyroscope and chip to track hand movements by implementing Arduino in C++ and sending data back to Linux. Meanwhile, with Machine Learning algorithm to categorize movements.

ZTE pay *Java, Android, Bank tools, SHA256*

<https://github.com/CCPeterHu/myApp.git>

A bank app to manage your money while creating all the UI and my own gesture lock by Java

Rock Paper Scissor Online Game *Java, MongoDB, AWS, React* <https://github.com/sfsu-csc-413-fall19/final-project-powerpuff-freight-trains/tree/bc9574ac0f46719ec2f2195acf9069112a7ca7e8>

A game that takes 2 players by React as frontend and Java as backend with session, socket, and MongoDB to manage data.

Bluetooth Lock App *Android, Java, Bluetooth*

An app to lock/unlock our smart-lock by using Java coding