

MENGYING LI

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Education and Training

Bachelor of Science: Math and Computer Science joint major 2019
University of California San Diego GPA 3.6
Relevant Coursework: Data Structure and Objective Oriented Design, Web Design, Advanced Data Structures, Design and Analysis of the Algorithms, Software Engineering, Intro to Machine Learning

Skills

- Web Development: nodeJS, react, js, html, css, jQuery
- Databases: mysql, firebase
- Programming: Java, C, C++, C#, Python, assembly
- Others: MATLAB, R

Experiences

Software Developer Intern 06/2017 to 09/2017
Nanome Inc San Diego, CA
Implemented a notification board feature in existing VR application using C# in unity
Built a 2D portal for people to enter the biology conference room in application using C#
Parsed MMCIF format file from the World Protein Bank to the application in C#
Full Stack Developer 02/2017 to 07/2017
Comparative Cognition Lab (UCSD) San Diego, CA
Designed and implemented a website using nodeJS, mySQL, Handlebars to handle data about primates
Coded features such as authentication, data administration, search, ...
Prepared and presented technical and design proposals to the 20 lab members
Troubleshooted and resolved issues reported by end-users
Github link: https://github.com/chasingfuture/Database_website

Projects

Friend-Zone, web application 09/2017 to 12/2017
The website seeks to help students make friends based on their mutual courses, to chat and to plan events

- Wrote component to communicate front-end with the back-end database using React.JS
- Implemented back-end database using firebase and handled cloud storage using firebase
- Coded profile page and loading page using React.JS and CSS
- Video link: <https://www.youtube.com/watch?v=dQOOcZRRNdo>
- Github link: <https://github.com/CniveK/friend-zone>

Bitcoin price prediction, machine learning project 11/2017 to 12/2017
Tool to predict bitcoin price with LSTM model using a day by day historical price dataset

- Built the training model of LSTM using python with keras in Jupyter Notebook with my teammates
- Successfully get prediction of next day and 5-day trend with smaller error than random walk method
- Video link: <https://youtu.be/R1S2xpF3O8Q>

SD-Hack-Blockchain, blockchain project 10/2017 to 10/2017
This project aims for giving credential fairly to all contributor for tackle down one really difficult question

- built it based on decentralized storage solution IPFS for the backend and solidity to do the blockchain part leading a team of 4 people
- Devpost link: <https://devpost.com/software/sd-hacks-blockchain>

VR Classroom, Unity project 01/2017 to 03/2017
Virtual reality classroom where students and teachers can communicate through gesture, voice and writing

- Worked on front-end application team for implementing the student-side functions
- Implemented student's note-taking feature which uses VR controller to draw smooth lines on canvas
- Video link: <https://www.youtube.com/watch?v=lx9LApgjfbw&feature=youtu.be>