Chaolei Hua

4175 Executive Dr G308,La Jolla, CA 92037

 superthunder.me   c8hua@ucsd.edu

 erichua03   858-688-4538   in chaoleihua

EDUCATION

UC San Diego   **La Jolla, CA**
BS in Math and Computer Science, Minor Management Science, Provost Honors   *Expected 2019*

SKILLS

- Relevant Coursework: 3D User Interaction, Computer Graphics, Machine Learning ,Web Client Language, Image Processing, Web App Performance and Monitoring, Operation Systems, Database Application
- Languages & Frameworks: C, C++, Java, HTML, CSS, Javascript, Unity, C#, Objective-C, Python/R, Android Studio, Firebase, React, Redux, JQuery, VBA, COM APIs

EXPERIENCE

Fenbi Lantian Technology   **Beijing, China**
C++ Software Engineer Intern   *July 2018 - Sept 2018*

- Developed COM add-ins for Excel 2007 - 2018 and WPS Office. Added **9 *new functionalities*** including: Text Editor, Batch Operation, Data Operation, Spotlight, Image Tools, Formula Converter, Divide and Merge for Worksheets, PivotTable Helper, Template
- Achieved Undo and Redo for VBA and add-ins operation
- Languages and Frameworks used: C++, VBA, COM APIs, Visual Studio, XML, mbed TLS, CMake

TicktBox   **San Diego, CA**
Software Engineer Intern   *April 2018 - June 2018*

- Worked on Gofobo, which screens for upcoming films. Implemented Codeigniter PHP framework into a target email engine, which allows admin to select target customers and send the information about the upcoming films
- Mentored by Professor William G. Griswold to research on Testing Strategy on MVC framework
- Languages and Frameworks used: Javascript, php, MySQL, CSS, MVC, Codeigniter

UCSD Design Lab   **La Jolla, CA**
Software Developer   *Jan 2018 - June 2018*

- Worked with postdoctoral fellow Narges Mahyar and Professor Steven Dow
- Worked on `https://cc.ucsd.edu/` to facilitate community participation, supplement traditional face-to-face workshops, and collect broader feedback on urban design projects. Used d3.js and sentiment analysis to visualize community feedback.
- Languages and Frameworks used: Javascript, php, MySQL, CSS, d3.js

Wonders Information Co.Ltd   **Ningbo, China**
Software Engineer Intern   *July 2017 - Sept 2017*

- Worked on the Hospital Information System Development team. Developed a dynamic management platform in City Ningbo to provide people with information about health and medical treatment.
- Contribution: Refactored the Data Structure to store the expanding information about all the provinces, cities and districts. Implemented an address selection function, which connected the new data structure with the core system
- Languages and Frameworks used: JQuery, Javascript, css, MySQL, Oracle

PROJECTS

Plan Your CSE Trip   *CSES HACK NIGHT 2nd Place*

- A web application to visualize the course plan for students at UCSD.We use d3.js to make each course as a node, and link the courses according to prerequisites. The final course plan will look like a dynamic tree.

EasyLineUp   *Jan 2018 - Mar 2018*

- A desktop & mobile application for the commuter students at UCSD to queue for shuttle. Also include a checklist system for the driver to check student identification.(CSS, Redux, React, html, JQuery)

Virtual Reality Development   *Jan 2018 - Mar 2018*

- VR Classroom Design Tool: a 3D application which allows the user to design the classroom and install the furniture `https://youtu.be/BrfvspyZT6E`
- Jump & Jump VR: a VR version of a mini game called Jump & Jump in WeChat. The user can jump into the target box by swinging their arms. `https://www.youtube.com/watch?v=h4zWVcDcFZI`

Mobile Application Development   *Sept 2017 - Dec 2017*

- Flashback Music: an Android app that adaptively selects music to play based on your location and time of day to help bring back memories of past times.ike any music player, you can select tracks or albums to play. When Flashback Music is put into flashback mode, it automatically selects tracks to remind you of past times. Frames & Languages: Java, Android Studio, Google Service, Firebase
- IOS Developer:Apps including Body Mass Index(BMI) & Basal Metabolic Rate (BMR) calculators, discount calculator, currency converter (Objective C)