CHAOLEI HUA
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Education	**CORNELL TECH AT CORNELL UNIVERSITY**	**New York, NY**

Master in Information Systems and Applied Information Sciences,
Concentration in Connective Media, May 2021
Courses: Algorithms and Data Structures, HCI and Design, Applied Machine Learning

UNIVERSITY OF CALIFORNIA SAN DIEGO	**La Jolla, CA**

Bachelor of Science, Math and Computer Science, Provost Honors, June 2019
Courses: Virtual Reality, Computer Graphics, Web Client Language, Image Processing,
Web App Performance and Monitoring, Operation Systems, Database Application

Experience	**FENBI**	**Beijing, China**
July–Sept 2018	*Software Engineer Intern*	

- Used Microsoft COM interface and C++ to develop new functionalities for Excel and WPS Office including Text Editor, Data Operation, Spotlight, Image Tools, Formula Converter, PivotTable
- Achieved Undo and Redo for VBA and add-ins operation
- Wrote a cryptographic algorithm to verify users on both client and server-side
- Created UI for dialogs under Microsoft Foundation Class using C++
- The new features attracted 3,9995 users and earned around 100,000$ subscription within one month

April–June 2018	**TICKTBOX**	**La Jolla, CA**

Software Engineer Intern
- Implemented Codeigniter PHP framework into the Gofobo Screening platform, which selected potential users and auto-generated the ads about upcoming films in a target email engine
- Quality assurance: used Testing Strategy on Model-View Controller framework to improve test efficiency and reduce the workload of unit testing by 30%

Jan–June 2018	**UCSD DESIGN LAB**	**La Jolla, CA**

Software Developer
- Developed the website https://cc.ucsd.edu/ to facilitate community participation, and it served as a resource for the research paper *CommunityCrit* published by Professor Mahyar and Professor Dow
- Managed the database to collect broader feedback on urban design projects
- Used d3.js and sentiment analysis to visualize community feedback

Skills	C++, C, Java, JavaScript, Unity, C#, Python, React, Redux, VBA, CSS, HTML, Android Studio, COM API

Projects	**Amazon Prime Video**
Sept 2019–Present	Product Challenge at Cornell Tech: Currently working on creating a social lens to help people discover content when streaming videos

Jan–Mar 2018	**Virtual Reality Development (C# and Unity 3D)**

- VR Classroom: a 3D application which allowed the user to design the classroom and install the furniture
- Jump & Jump VR: a VR version of a mini-game called Jump & Jump in WeChat. The user could jump into the target box by swinging their arms

Jan–Mar 2018	**EasyLineUp**

- 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)

Sept–Dec 2017	**Flashback Music (Android)**

- 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. Google Service was used for tracking location

Award	**CSES HACK NIGHT 2nd Place**

Plan Your CSE Trip: used d3.js to create a web application to visualize the course plan for students at UCSD