

CHENXU FU

111 Renai Road, Wuzhong District, Suzhou, Jiangsu, P.R.China
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EDUCATION

XIAN JIAOTONG-LIVERPOOL UNIVERSITY(XJTLU) September 2015 - June 2019
BSc Information and Computing Science Department of Computer Science and Software Engineering
Overall GPA: 3.57/4.00, Major GPA: 3.69/4.00
National Encouragement Scholarship (2018)
Major Coursework: Data Structure, Algorithms Complexity, Databases, Human-Centric Computing, Networking, Computer Graphics, Software Engineering, Advanced OO Programming, Artificial Intelligence.

ACADEMIC PROJECTS

Wind Tunnel Real-Time Data Monitoring System, XJTLU May 2017 - September 2017

- Participated in a five-member team developing an embedded IoT based real-time data monitoring system for modeling outdoor environment in a wind tunnel.
- Implemented a low latency cloud computing platform utilizing MQTT to handle data transmission from wireless sensor networks; developed a Web GUI with sophisticated visualization functionalities, enabling researchers to control the height of sensors remotely and monitor changes of air quality in real time.
- Research work led to a conference demo presented at IoTDI 2018 in Orlando and an SCI journal paper published by Journal of Sensors, Hindawi.

Team Leader, U-CIRCLE, An Information Sharing Platform March 2018 - May 2018

- Led a seven-member team to develop a Web App as a consultative platform for students in campus and graduated alumni.
- Arranged and assigned work based on Systems Development Life Cycle(SDLC); adopted the waterfall model and drew UML diagrams to assist the collaboration.
- Developed a Progressive Web App using React and Redux with a friendly user interface and implemented a backend server using Express.js and MongoDB database.

SELECTED PUBLICATIONS

- Z. Zhao, J. Wang, **C. Fu**, D. Liu, B. Li, *Demo Abstract: Smart City: a Real-Time Environmental Monitoring System on Green Roof*, The 3rd ACM/IEEE International Conference on Internet-of-Things Design and Implementation (IoTDI, 2018), Orlando, Florida. DOI: 10.1109/IoTDI.2018.00049, April, 2018.
- Z. Zhao, J. Wang, **C. Fu**, Z. Liu, D. Liu, B. Li, *Design of a Smart Sensor Network System for Real-Time Air Quality Monitoring on Green Roof*, Journal of Sensors 2018 (Sensing and Data-Driven Control for Smart Building and Smart City Systems(SBSCS)), Hindawi, DOI: 10.1155/2018/1987931

INTERNSHIP

Software Engineer, Marketing Department, BOSCH, Shanghai June 2017 - August 2017

- Developed a website to advertise sensor chips on sale on which customers could browse for products and contact for purchase.
- Maintained the WeChat public platform of the company, posting articles introducing technical statistics of the company's latest sensor chips.

EXTRACURRICULAR EXPERIENCES

Self-Developed Classtable APP for XJTLU Students

August 2017 - September 2018

- Independently created an app to enable students to view their class schedule on their phone and integrate it into calendars. Version 1.0 was built using PHP and Python, while version 2.0 utilized React and Node.js for better experience.
- Achieved over 11k users so far and reported by the schools news and local TV station.

Team Member, HACKATHON Blockchain Competition, Shanghai

August 2018

- Collaboratively designed and implemented an online decentralized exchange connecting algorithmic trading developers and investors based on Ethereum blockchain technology.
- Responsible for data visualization on the frontend featuring real-time trend of different cryptocurrency prices utilizing React Eschart.js and participated in applying encryption algorithms on the backend powered by Python Flask.
- Key features include: 1) asset redeem ability mechanism, 2) integrated backtesting, 3) smart contract-based trading, 5) posting of algorithms by developers and 6) standard interface with stock exchanges.

Team Leader, Apple iOS Summer Camp, Dongguan, Guangzhou

August 2017

- Teamed up with seven students from different universities nationwide and took a five-day training course on including creativity cultivation, fashion design as well as programming in Swift.
- Led the team and collaborated on an innovative app for users to put note memos in AR world.
- Gave a demo using a prototype with basic AR functionality deployed to illustrate the idea of the app and demonstrated a methodical process of planning and analyzing in the presentation.

Team Leader, Student Career Development Association, XJTLU

October 2015 - October 2016

- Took office in the IT branch of SCDA(Student Career Development Association) in XJTLU, dedicating to providing career information and holding enterprise information session in our school.
- Led a team responsible for the propaganda of upcoming events, including internal discussions of related arrangements and the design of promotional materials.
- Sought opportunities through bonds with local companies for internship opportunities, employment sessions and company visits.

SKILLS

Programming Languages	Javascript, Python, Java, HTML, CSS, PHP, Swift, C, C++, LaTeX, Markdown
Frameworks and Libraries	Node.js, Express, React, React Native, Redux, GraphQL, Bootstrap, jQuery, Laravel, Angular, Vue, WordPress, Android, OpenGL, Hadoop
Databases	MongoDB, MySQL
Other	Git, Linux, Nginx, Apache Web Server

STANDARDIZED TEST

TOEFL	Listening: 24 / Speaking: 23 / Reading: 28 / Writing: 24 / Total: 99
GRE	Verbal: 154 / Quantitative: 165 / Writing: 3 / Total: 319