

# Hang Yuan

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## EDUCATION

### CARNEGIE MELLON UNIVERSITY

EXCHANGE AT SCHOOL OF COMPUTER SCIENCE

Aug 2016 - Present | Pittsburg, USA

### JACOBS UNIVERSITY

BACHELOR IN COMPUTER SCIENCE

Aug 2014 - June 2017 | Bremen, Germany

### VALLEY CHRISTIAN HS

Aug 2012 - May 2014 | Los Angeles, USA

## COURSEWORK

### SCHOOL COURSES

Software Engineering and its Lab

Programming in Java

Programming in C++

General Computer Science I & II

Computability and Complexity

Formal Language and Logic

Computer Architecture

Linear Algebra

Applied Differential Equations

### OPEN COURSES (MOOCS)

Stanford:

Machine Learning (ML)

University of Washington:

ML Foundations

ML Regressions

ML Classification

## SKILLS

### PROGRAMMING

Comfortable

Java • C/C++ • R • Python •  $\text{\LaTeX}$

Basic

Perl • SML • Emacs • Shell • iOS

### LANGUAGES

Chinese (native) • English (fluent)

German (basic) • Spanish (basic)

## HOBBIES

Clarinet 10 years

• Bremer Orchester Gemeinschaft 2015

Tennis 10 years

• High School Tennis Varsity

• Most Inspirational Player (School wide) 2014

## EXPERIENCE

### KPMG Data Observatory, Imperial College | RESEARCH INTERN

June 2016 – Present | London, The United Kingdom

- Created visualizations about London city crime and transport to the local governors on the 64 HD screens panoramic observatory.
- Simulated large-scale 3D models, including oil flow in Saudi Arabia and atom collision in a nuclear power plant in a distributed fashion using Unity.

### KWARC Research Group | RESEARCH ASSISTANT UNDER PROF.

MICHAEL KOKLHASE

Dec 2014 - Present | Bremen, Germany

- Developed Semantic  $\text{\TeX}$  (sTeX) LaTeXML plugin which transfers sTeX to OMDoc.
- Contributed to the mixing the Module Mathematical Theories and sTeX as surface languages (publication on CICM will soon become available).

### Jacobs University | RESEARCH ASSISTANT UNDER PROF. ADALBERT F.X. WILHELM

Sep 2015 - May 2016 | Bremen, Germany

- Benchmarked distributed computing frameworks.
- Held weekly tutorials on statistics and compiled a tutorial series on R.

## AWARDS AND FUNDINGS

### Second Place top 10% OpenBank Hackathon

Jul 2016 | Google London Campus, The United Kingdom

- Bytebit: selling Wifi using Bitcoins via micro-transactions in real time and got invited to pitch at London FinTech week's innovator panel.

### Wiki Data Prize HPI Machine Learning and Data Analytics Hackathon

Jun 2016 | Berlin, Germany

- ShowcaseData: created a data quality metric model for Wiki Data's open source databases.

### ERASMUS+ Traineeship

Jun 2016 | Bremen, Germany

- 450 euros per month for my internship in the UK.

### Promos Scholar

Jun 2016 | Bremen, Germany

- 1900 euros for the exchange semester at Carnegie Mellon University.

### Global Jacobs Startup Competition top 10/130+ 8%

Mar 2015 | Bremen, Germany

- Developed an application called MyNow for the competition. MyNow is a time management and social network app that allows users to track their time and interact with their friends. (on Apple Apps Store)

### Jacobs University Entrance Scholarship

Sep 2014 | Bremen, Germany

- Merit-based scholarship for academic excellence that last for three years

### Daniel Award for International Student Leadership 1/100+ top 1%

Apr 2014 | Los Angeles, USA

- One international students was selected for demonstration of leadership.