

## EDUCATION

**CARNEGIE MELLON UNIVERSITY**  
EXCHANGE AT SCHOOL OF COMPUTER  
SCIENCE  
Fall | Pittsburgh, USA

**JACOBS UNIVERSITY**  
BACHELOR IN COMPUTER SCIENCE  
Aug 2014 - June 2017 | Bremen,  
Germany

**VALLEY CHRISTIAN HS**  
2012 - 2014 | Los Angeles, USA

## COURSEWORK

### SCHOOL COURSES

Software Engineering  
Computer Vision  
Programming in Java  
Programming in C++  
Computability and Complexity  
Formal Language and Logic  
Computer Architecture  
Linear Algebra  
Applied Differential Equations  
Decision Making

### OPEN COURSES (MOOCS)

Stanford:  
Machine Learning (ML)

University of Washington:  
ML Foundations  
ML Regressions  
ML Classification

## SKILLS

### PROGRAMMING

Comfortable  
Java • C/C++ • R • Python •  $\LaTeX$   
Basic  
Matlab • 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

## RESEARCH EXPERIENCES

**KWARC Research Group** | RESEARCH ASSISTANT UNDER PROF. MICHAEL KOHLHASE  
Dec 2014 - Present | Bremen, Germany

- Developed Semantic  $\TeX$  (sTeX) LaTeXML plugin which transfers sTeX to OMDoc in perl.
- Contributed the bindings to the mixing the Module Mathematical Theories and sTeX as surface languages.

**KPMG Data Observatory, Imperial College** | RESEARCH INTERN UNDER DR. DAVID BIRCH  
Jun 2016 - Aug 2016 | London, The United Kingdom

- Created visualizations about London city crime and transport to the local governors on the 64 HD screens panoramic observatory in C#.
- 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.

**Jacobs University** | RESEARCH ASSISTANT UNDER PROF. ADALBERT F.X. WILHELM  
Sep 2015 - May 2016 | Bremen, Germany

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

## PROJECTS

### myNow :

- An iOS social network application written in Swift that aims at sharing the current activities that people are doing and allows others to join if they wish.

### bybit

- An application available for both iOS and Android that has a Linux backend and uses Javascript for Bitcoin transaction. Bybit enables one to sell data plan by a small amount via Bitcoin which is not possible using traditional payment method.

### Wiki Showcase

- Used Python to implement a data quality model for Wiki Data, an open source structured database and D3.js to visualize the evolvement of community data quality with respect to time.

### The Judge Bot

- A robotics semester-long course project which was written in C++ in use of ROS and OpenCV. The robot was able to navigate inside a maze without touching any obstacles except for a target circle which was placed randomly.

## AWARDS

### Second Place 2/20+ top 10% OpenBank Hackathon

Jul 2016 | Google London Campus, The United Kingdom

- bybit: 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: worked with the Wiki Data team to develop the data quality and visualization product and provided an innovative view to look at the community.

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

Mar 2015 | Bremen, Germany

- We entered with a time management application that can track the time spent on different applications across platforms to help users understand the time usage.