

# Yu Chen | Curriculum Vitae

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## Education

<b>Rensselaer Polytechnic Institute</b> <i>Ph.D in Computer Science</i>	<b>Troy, NY</b> AUG. 2015 - MAY. 2020 (EXPECTED)
<b>The University of Michigan-Dearborn</b> <i>Exchange student in Computer &amp; Information Science</i>	<b>Dearborn, MI</b> SEP. 2014 - DEC. 2014
<b>The University of Electronic Science and Technology of China</b> <i>B.Eng. in Communication Engineering</i>	<b>Chengdu, China</b> SEP. 2011 - JUL. 2015

## Honors & Awards

<b>The First-Class People's Scholarship</b> <i>The University of Electronic Science and Technology of China</i>	2012 - 2013 & 2013 - 2014
<b>Third Prize Outstanding Volunteer in Popular Science</b> <i>China Association for Science and Technology &amp; ASUSTeK Computer Inc.</i>	OCT. 2012
<b>National Scholarship</b> <i>Ministry of Education of China, Top 1.6 %</i>	2011 - 2012

## Research & Work Experience

<b>Graduate Teaching Assistant</b>	<b>Troy, NY</b> AUG. 2015 - PRESENT
<ul style="list-style-type: none"><li>Grading students' assignments.</li><li>Holding office hours to help students with their lessons.</li></ul>	
<b>Python Web Developer at Microoh</b>	<b>Chengdu, China</b> MAR. 2015 - MAY. 2015
<ul style="list-style-type: none"><li>Responsible for the background computing of LPS 2.0 which was a personalized learning management system.</li></ul>	
<b>Research Assistant in the Virtual Engineering Laboratory, UM-Dearborn</b> <i>Advisor: Prof. Jie Shen</i>	<b>Dearborn, MI</b> SEP. 2014 - DEC. 2014
Data mining of large-scale discrete data sets with a focus on 3D surface denoising. <ul style="list-style-type: none"><li>Investigated the basic data mining and artificial intelligent algorithms.</li><li>Applied the above algorithms on large-scale data sets.</li><li>Collected and compared existing approaches of 3D surface denoising.</li><li>Designed and implemented novel and effective approaches to denoise 3D surface of objects.</li></ul>	
<b>Research Assistant in the Web Sciences Center, UESTC</b> <i>Advisor: Prof. Tao Zhou</i>	<b>Chengdu, China</b> MAY. 2014 - JUL. 2014

Empirical analysis and recommendation algorithms design in social network area.

- Analyzed a mass of data in social networks.
- Found interesting patterns of human behaviors with temporal dynamics in social networks.
- Designed and implemented novel and effective recommendation algorithms.

## Grants

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### Core Developer in the Yellow Ginkgo Innovation Fund

Chengdu, China

*The University of Electronic Science and Technology of China*

APR. 2013 - DEC. 2013

A GSM-based remote water quality monitoring system providing simple interactions between monitors and monitoring center.

- One of the three core developers in this fund.
- Took charge of the embedded development.
- Designed and implemented the embedded part of the system.
- Designed and implemented communication protocols between monitors and monitoring center.
- See the project on Github: [github.com/hugochan/remote\\_water\\_quality\\_monitoring](https://github.com/hugochan/remote_water_quality_monitoring).

### Director in the University Students Technology Innovation Fund

Chengdu, China

*The University of Electronic Science and Technology of China*

SEP. 2012 - NOV. 2013

A wireless pen which could record its tracks and transmitted them to a computer application through Bluetooth.

- Built a group with six members.
- Designed and implemented a wireless pen system based on an ARM microcontroller.
- Wrote a GUI program running on a computer.
- See the project on Github: [github.com/hugochan/wirelessShow\\_lowerComputer](https://github.com/hugochan/wirelessShow_lowerComputer).

## Projects

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### PeopleFinder

Chengdu, China

*The University of Electronic Science and Technology of China*

JUN. 2015

A software designed to find email correspondents in online social networks. Import your email box and get friends recommendation in online social networks. See the project on Github: [github.com/hugochan/peoplefinder](https://github.com/hugochan/peoplefinder).

### rUDP

Dearborn, MI

*The University of Michigan-Dearborn*

OCT. 2014

Reliable end-to-end in-order data delivery service inside the application layer on top of the UDP which was encapsulated as TCP-like stuff. See the project on Github: [github.com/hugochan/rUDP](https://github.com/hugochan/rUDP).

### Data Analysis of SNS

Chengdu, China

*The University of Electronic Science and Technology of China*

OCT. 2013 - DEC. 2013

An application which could log in Renren (a Chinese version of Facebook) and obtain user data to: (1) draw user relationship graphs. (2) recommend public pages. See the project on Github: [github.com/hugochan/RenrenDataRepo](https://github.com/hugochan/RenrenDataRepo).

### CourseNow

Chengdu, China

*The University of Electronic Science and Technology of China*

APR. 2013 - JUN. 2013

An automatic course-registration application aimed at UESTC which could (1) save users' preference lists of courses. (2) log in (with cookie) and register multiple courses automatically and concurrently. See the project on Github: [github.com/hugochan/CourseNow](https://github.com/hugochan/CourseNow).

## Computer Skills

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**Programming:** PYTHON = C/C++ > MATLAB > HTML = PHP = JAVASCRIPT > L<sup>A</sup>T<sub>E</sub>X

**Software:** Linux, MySQL, Redis, Weka, Git