

Yu Chen | Curriculum Vitae

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Education

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

Honors & Awards

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

Research & Work Experience

Graduate Teaching Assistant	Troy, NY AUG. 2015 - PRESENT
<ul style="list-style-type: none">Grading students' assignments.Holding office hours to help students with learning.	
Python Web Developer at Microoh	Chengdu, China MAR. 2015 - MAY. 2015
<ul style="list-style-type: none">Responsible for the background computing of LPS 2.0 which was a personalized learning management system.	
Research Assistant in the Virtual Engineering Laboratory, UM-Dearborn <i>Advisor: Prof. Jie Shen</i>	Dearborn, MI 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">Applied data mining and machine learning algorithms on large-scale data sets.Collected and compared existing approaches of 3D surface denoising.Designed and implemented a voxel-based fast surface propagation method to remove non-isolated and sharp featured surface outliers.More information here.	
Research Assistant in the Web Sciences Center, UESTC <i>Advisor: Prof. Tao Zhou</i>	Chengdu, China MAY. 2014 - JUL. 2014

Empirical analysis and recommendation algorithms design in social network area.

- Analyzed a mass of data provided by multiple social network websites.
- Found interesting patterns of human behaviors with temporal dynamics in social networks.
- Designed and implemented novel and effective recommendation algorithms.
- More information [here](#).

Grants

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.
- More information [here](#).

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.
- More information [here](#).

Projects

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. More information [here](#) and [here](#).

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. More information [here](#).

Data Analysis of SNS

Chengdu, China

The University of Electronic Science and Technology of China

OCT. 2013 - DEC. 2013

An application which could login Renren (a Chinese version of Facebook) and obtain user data to: 1) draw user relationship graphs. 2) recommend public pages. More information [here](#).

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) login (with cookie) and register multiple courses automatically and concurrently. More information [here](#).

Computer Skills

Programming: PYTHON=C/C++>MATLAB>JAVA=HTML=JAVASCRIPT=PHP>HASKELL

Software: Mac, Linux, Windows, Database, Git, CVS, Weka, Numpy, Scipy, pandas, Matplotlib, scikit-learn

Others: Data Mining, Machine Learning, Signal Processing, Web Development, Embedded Systems