

# Hung-Fu Chen

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## EDUCATION

### Santa Clara University, Santa Clara, CA

Sep. 2017 – Expected 2019

*Master of Science, Computer Science & Engineering*

### Yuan Ze University, Taoyuan, Taiwan

Sep. 2010 – Jun. 2014

*Bachelor of Science, Computer Science & Engineering*

- Selected as 1 of 152 students representing department of CSE to China as a summer intern in 2014
- Selected as 1 of 151 students representing department of CSE to 12th Wu Ta-You Science Camp in 2013

*Minor: Bioinformatics*

- *Selected Coursework: Biomedical Database, Genomics and Proteomics, Molecular Biology*

## WORK EXPERIENCE

### Research Assistant

Oct. 2015 – Jun. 2017

*Institute of Information Science, Academia Sinica*

Taipei, Taiwan

- Developed Disaster Record Capture Tool (DiReCT) using C# and WPF with two colleagues to capture machine-readable data from natural disasters
- Co-authored Disaster Scenario and Record Capture System accepted by 2017 IEEE Smart World Congress [<https://goo.gl/Bp5716>]
- Guided annual summer intern program for American undergraduate computer science students
- Managed for hiring postdoc, research assistant and intern applicants process

### Software Engineer Intern

Jul. – Aug. 2014

*Far Eastern Industries(Shanghai) LTD.*

Shanghai, China

- Proposed and developed Cigarette Butts Monitor, an internal application written in JavaScript with Angular.js and Bootstrap to enforce the no-smoking policy in the factories

### Undergraduate Intern

Jul. – Aug. 2013

*Computational Systems Biology Lab*

Taoyuan, Taiwan

- Led three-member team developing undergraduate project PhosNet in Cytoscape.js—a web tool to reconstruct the protein kinase–substrate phosphorylation network integrated protein-protein interaction and biological pathway data; project has been integrated into lab's main project RegPhos2.0 since 2013 [<https://goo.gl/2wuBF1>]
- Authored the poster for the 7th Asian Young Researchers' Conference on Computational and Omics Biology
- Designed front-end page in PHP and MySQL for interactive web application [<https://goo.gl/JxaYDg>]

## PERSONAL PROJECTS

- **Browser Automation** [<https://goo.gl/G8vktB>]

Crafted an automated program using Python, Selenium and Crontab to automatically login account and get the daily-login credit on 1point3acres website

- **Movie Recommendation** [<https://goo.gl/HUjC1f>]

Developed a Python program with TMDb API that displays historical information about a given movie and according to average score to give user a recommendation

- **Flickr Photo Search** [<https://goo.gl/3MfPYA>]

Implemented an application in Python with Flickr public photo feed that takes in a search string and displays photographs matching that search string

## LEADERSHIP

### Volunteer Teaching Assistant

*2013 Massachusetts Institute of Technology – Yuan Ze University Collaborative Program*

- Guided non-technical students to write a BMI calculator program in Python

## SKILLS

*Languages: Java, Python, C#, C++, PHP, SQL,*

*Web Languages: HTML5, CSS3, JavaScript, JQuery*

*Database Management Systems: MySQL, Oracle*

*OS: Linux command line (CentOS 6)*

*AI Tools: Scikit-learn, NumPy, Tensorflow*