

# Yu-wen Pwu

Student at Department of Computer Science, National Chiao Tung University

- ✉ Email: [ywpu@cs.nctu.edu.tw](mailto:ywpu@cs.nctu.edu.tw)
- 🏠 Website: <http://ywpu.me/>
- ✍ Blog: <http://blog.ywpu.me/>
- 🌐 GitHub: <https://github.com/yuwen41200>
- 🌐 LinkedIn: <https://linkedin.com/in/yuwen41200>

## SUMMARY

An undergraduate student majoring in computer science.  
Enthusiastic about web programming, GNU/Linux, and open source movement.  
Developing with HTML, CSS, JavaScript, C/C++, Java, Python, PHP, and MySQL.  
Also interested in interdisciplinary studies of philosophy, sociology, and political science.

## EXPERIENCE

**Applied Materials Taiwan** July 2017 – August 2017  
Summer Student – IT Staff at Tainan Manufacturing Center

**Academia Sinica** July 2016 – August 2016  
Summer Intern at Institute of Information Science

## EDUCATION

**National Chiao Tung University** 2014 – 2018  
Bachelor of Science (B.S.), Computer Science, Overall Grade: Top 11.92%

**Taipei Municipal Chienkuo High School** 2011 – 2014  
High School Certificate, General Studies of Day Division

## SKILLS

- Software Development
  - Python
  - C/C++
  - PHP
  - Java SE
  - Git VCS
  - Open Source Softwares
  - Data Structures & Algorithms
  - GUI Programming
  - Network Programming
  - Parallel Programming
  - Heterogeneous Computing
- Hardwares
  - Verilog HDL
  - Microcontrollers
- Front-end Engineering
  - HTML5
  - CSS3
  - RWD & Bootstrap
  - JavaScript
  - jQuery
- Web Development
  - Laravel Framework
  - MVC Design Pattern
  - Unix-like Systems
  - LAMP Servers
  - Relational Databases
- Languages
  - Chinese (Native or Bilingual Proficiency)
  - English (Professional Working Proficiency)

## AWARDS

**Application Design Contest, 2nd Place** September 2015  
**Application Design Contest, 3rd Place** September 2014  
National Chiao Tung University Information Technology Services Center

A web application development contest that requires a team to design and implement a designated application within a limited time.

**Academic Achievement Award** April 2015  
National Chiao Tung University

The Academic Achievement Award entitles to the students at the top five percent or the top three students in the class each semester.

## PUBLICATIONS

### **Parallel Video Processing**

January 2016

[https://github.com/sunset1995/parallel\\_analysis/raw/v1.2.4/report.pdf](https://github.com/sunset1995/parallel_analysis/raw/v1.2.4/report.pdf)

Authors: Cheng Sun, Po-han Chen, Yu-wen Pwu

A project for the Parallel Programming (Fall 2015) course in National Chiao Tung University.

Complete source code is publicly available on GitHub:

[https://github.com/sunset1995/parallel\\_analysis](https://github.com/sunset1995/parallel_analysis)

<https://github.com/yuwen41200/fpga-computing>

### **Web Design Tutorial**

January 2015

<http://blog.ywpu.me/> · Author: Yu-wen Pwu

A comprehensive tutorial about web design.

Originally published as handouts for the web design lectures offered in Chienkuo High School

Electronic Industrial Study Club in 2012.

## PROJECTS

### **Biodiversity Analysis**

August 2016

<https://github.com/yuwen41200/biodiversity-analysis>

Authors: Yu-wen Pwu, Yun-chih Chen

Biodiversity data analysis and visualization.

A project for the summer internship program at Institute of Information Science, Academia Sinica.

Complete source code is publicly available on GitHub.

### **Open Data and Data Visualization**

October 2015

<http://ywpu.me/meichu-hack-2015>

Authors: Cheng Sun, Kuang-lin Pan, Yong-zhan Hong, Yu-wen Pwu, Zi-qi Lin

Career development analyses for Taiwan high school graduates.

A project for Meichu Hackathon 2015.

Complete source code is publicly available on GitHub:

<https://github.com/yuwen41200/meichu-hack-2015>

### **Website of C.K. High School Graduation Ceremony**

May 2014

<http://www.ck.tp.edu.tw/~gra2014/> · Authors: Chia-sheng Chen, Yu-wen Pwu

The official website for our high school commencement in 2014.

Complete source code is publicly available on GitHub:

<https://github.com/qitar888/grad66th>

## VOLUNTEERING

### **Team Mentor**

August 2015

Students' Information Technology Conference Camp 2015 · Science and Technology

### **General Services Staff**

November 2014

gov Summit 2014 · Civil Rights and Social Action

## ORGANIZATIONS

### **National Chiao Tung University Students' Union**

Member of Division of Information Technology · September 2015 – September 2016

### **National Chiao Tung University Computer Science Students' Union**

Member of Division of Public Relations · June 2015 – June 2017

### **Taipei Municipal Chienkuo High School Electronic Industrial Study Club**

Vice President · June 2012 – June 2013