Pu-Chin CHEN

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EDUCATION

JUNE 2015	Undergraduate Degree in COMPUTER SCIENCE & INFORMATION ENGINEERING (CSIE)
	National Taiwan University (NTU), Taiwan — OVERALL GPA: 3.16/4.0
	LAST 60 GPA: 3.64/4.0
AUG 2013	Summer Session
	The University of California, Berkeley — GPA: 3.57/4.0

WORK EXPERIENCE

MAR 2015-JUN 2015

Teaching Assistant

Data Structure and Algorithm, REQUIRED COURSE, NTU-CSIE

Organised and conducted two workshops (*linux shell script, git,* and *basic workstation knowledge*) for a 200+ enrolled students class, and coached students every week

DEC 2014-FEB 2015

Project Manager

Official Website Development, STUDENT CONGRESS, NTU

Lead a 5-people team to build the 1st official website for NTU Student Congress

OCT 2014-FEB 2015

Back-End Engineer

FOUNTAIN INC, Taipei

Built the NoSQL database with MongoDB and communicated with front-end processes for an android e-commerce online store.

RESEARCH EXPERIENCE

FEB 2015

Treehacks, Stanford, CA
Research Topic: Operating Drones by Gesture Recongnition

- Built the system connected Microsoft Kinect v2.0 and AR.Drone 2.0 by Processing
- Stablized the drone by automation control techniques
- Implemented high accurate gesture recognition by k-means clustering

SEP 2014-JAN 2015

Designing for User Experience , NTU, Taipei, Taiwan
Research Topic: A Supporting System to Bridge Drug Addicts and Priests

- Designed a system offering drug addicts a similar function to priests during their rehabilitation period, such as broadcasts, including personal questions, and voice memos.

JUL 2014-SEP 2014

Mobile and Human-Computer Interaction Laboratory, NTU, Taipei, Taiwan
Research Topic: User Defined Gesture for Flying Objects

- Research with Chiuan-Wang, Wilson Huang, and Jacky Chen
- Presented a a study of interaction between flying object and human gesture, that is leading to a user-defined gesture set based on participants' agreement over 176 gestures
- Provided taxonomy of 3D gestures which is convenient for analyzing and characterizing gestures in UAV controls

Volunteer Experience

May 2015	Fund-raising more than 150,000 NTD **Puyou elderly long-term care center**, Kaohsiung, Taiwan
May 2014	Charitino stuff, 1,000+ attendance and raising 100,000+ invoice **National Taiwan University** Taipei, Taiwan

Campus Activities

Mar 2015-Present	HackNTU, dedicates to promote hacker spirits over the campus, NTU **Vice President** Co-hosted the biggest magenitude hackathon with 300+ millions NTD in Taiwan by leading a 100+ people preparatory team with core members for gathering resources from Taipei City government and companies, approaching technoloy communities(javascript Taiwan, Google), planning network and electricity service
Oct 2014-Feb 2015	**Director of Technology Development** Lead a 22-people team constructed the organization software infrastructures such as official website, recruitment landing page, hackathon app, online judge system, server maintainence.
Sep 2013-Jun 2014	Yang-Kuang Yeh-Tzu Student Society; Volunteer Social Welfare Assistance **Web Master** Provided Tutorial and Mentoring Assistance to Disadvantaged & Native Formosan Children: Weekly visits to recipients at elementary schools.
Sep 2011-May 2013	Pop Dance Club **Core Member in Public Relation Division** Coordinated with school authorities, marketing and public relations agencies to arrange event design and promotional campaigns.

Skills

Programming Languages:	C/C++, JAVA, Python, UNIX shell scripting, HTML Javascript, Node.js, Verilog, Assembly, MongoDB, LaTeX
Develop & Prototyping Tools:	Microsoft Kinect, AR.drone, processing, Bootstrap, Sketch, Adobe Illustrator, Adobe Photoshop
Languages:	Mandarin Chinese(native), English(fluent)