Yu-Wen Pu (蒲郁文)

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EXPERIENCE

National Applied Research Laboratories   March 2019 – July 2019
Research Assistant at National Center for High-performance Computing

National Applied Research Laboratories   July 2018 – August 2018
Summer Intern at National Center for High-performance Computing

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   September 2018 – Now
Master of Science (M.S.), Computer Science

National Chiao Tung University   September 2014 – June 2018
Bachelor of Science (B.S.), Computer Science, Overall Grade: Top 11.47%

Taipei Municipal Chienkuo High School   September 2011 – June 2014
High School Certificate

AWARDS

Undergraduate Research Contest, Honorable Mention   December 2017
National Chiao Tung University Department of Computer Science

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

Academic Achievement Award   April 2015
National Chiao Tung University

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

RESEARCH INTERESTS

In recent years, my research interests have gradually turned from technology itself to information society studies. I investigate how people create and use the Internet, big data, algorithms, and artificial intelligence, and how these technologies influence individuals and society (e.g., fostering opinion polarization or deliberation, deteriorating or mitigating social inequity). This is an interdisciplinary research area; it is related to computer science, communication, sociology, and philosophy. Hence I have endeavored to study social sciences and humanities as well. In the technical aspect, I focus on data analysis with R, text mining, and social network analysis. The research topic of my master's thesis is "Internet-mediated public deliberation." My thesis is jointly supervised by a professor of computer science and a professor of sociology.

近年來我的研究興趣逐漸從純技術轉向資訊社會研究，我關心人們如何創造與使用網際網路、大數據、演算法、人工智慧，這些科技對個人與社會的影響為何（例如：促使意見極化或審議，加劇或緩和社會不平等）。這是一個跨學科的研究領域，與電腦科學、傳播學、社會學、哲學都有交集，因此我也投入許多心力唸人文社會學科。在技術上，我專注於以 R 語言進行資料分析、文本探勘、社會網絡分析。我碩士論文的研究主題是「網路中介的公共審議」，由交大資工系與清大社會所的老師共同指導。

PROGRAMMING • Python • R • SQL • HTML • CSS • PHP

PROJECTS

Topic Analysis of Facebook Posts   January 2018
http://ywpu.me/d/tafp.pdf
Authors: Yu-Wen Pu, Claire Meng-Hsuan Tsai, Jody Feng-Wen Ho

Movie Title Generation   January 2018
http://ywpu.me/d/mtg.pdf
Authors: Hui-Chung Li, Hsuan-Ming Chang, Mien-Chung Chiu, Yu-Wen Pu

Analysis of Political Activities on Social Networking Sites   December 2017
http://ywpu.me/APASNS.pdf
Author: Yu-Wen Pu

LED Cube   January 2017
https://youtu.be/0f-6uI6oZSM
Authors: Shih-En Hsueh, Yu-Wen Pu

Biodiversity Analysis   August 2016
https://github.com/yuwen41200/biodiversity-analysis
Authors: Yu-Wen Pu, Yun-Chih Chen

Parallel Video Processing   January 2016
https://github.com/sunset1995/parallel_analysis/raw/v1.2.4/report.pdf
Authors: Cheng Sun, Po-Han Chen, Yu-Wen Pu

Open Data and Data Visualization   October 2015
http://ywpu.me/meichu-hack-2015
Authors: Cheng Sun, Kuang-Lin Pan, Yong-Zhan Hong, Yu-Wen Pu, Zi-Qi Lin

Personal Calendar   June 2015
https://github.com/yuwen41200/personal-calendar
Author: Yu-Wen Pu

Web Design Tutorial   January 2015
http://blog.ywpu.me/
Author: Yu-Wen Pu

Website of C.K. High School Graduation Ceremony   May 2014
http://www.ck.tp.edu.tw/~gra2014/
Authors: Chia-Sheng Chen, Yu-Wen Pu

VOLUNTEERING

Team Mentor   August 2015
Students' Information Technology Conference Camp 2015 · Science and Technology

General Services Staff   November 2014
g0v 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