FELICIA NATALI HUANG

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EDUCATION, QUALIFICATION, AND TRAINING

Singapore Management University; Victoria Street, Singapore   **2013 – 2018**
PhD in Information Systems

Carnegie Mellon University; Pittsburgh, US   **2016 – 2017**
Visiting Scholar
- Joined the Center for Computational Analysis of Social Organizational Systems and received guidance and training in research.

Singapore Management University; Victoria Street, Singapore   **2007 – 2011**
Bsc in Information Systems
- Graduated with *Cum Laude*.

EMPLOYMENT HISTORY

University College London   **Oct 2021 – Jun 2024**
Research Data Manager/Engineer at the MRC Unite for Lifelong Health and Ageing
- Developed an automated data request system for NSHD, a cohort study involving people born in England, Scotland, and Wales who have participated in extensive physical, cognitive, and mental health assessments. This automation replaced the previous manual email-based process, creating a seamless and efficient experience for the data management team to handle daily data requests.
  - Leveraged Microsoft Power Automate and TypeScript to develop an automated data request system for NSHD.
  - Continuously monitored and debugged the system to resolve any arising issues.
- Managed the research data for SABRE, a cohort study managed by the MRC LHA (Medical Research Council Unit for Lifelong Health and Ageing) comparing cardiovascular disease and diabetes between different ethnic groups.
  - Created an ETL system that ingests NHS-linked data for SABRE into an SQL database and extracts this data for future use.
  - Built an ETL system to transform and streamline SABRE data for research use, ensuring adherence to the principle of least privilege.
  - Managed incoming data requests for SABRE on a day-to-day basis.
- Facilitated the transition of the NSHD data showcase to align with the UK Biobank Data Showcase.
  - Automated the encoding of NSHD variables, ensuring metadata consistency.
  - Migrated variable information into the database to support the data showcase.

Singapore University of Technology and Design   **Aug 2018 – Aug 2021**
Research Fellow at the Lee Kuan Yew Centre for Innovative Cities
- Conducted, and collaborated in several research projects that harness big data to help with urban planning.
- Guided and supervised student assistants in these projects.

Singapore Telecommunications Limited   **Jul 2011 – Jul 2012**
IT Analyst
- Assisted in building an online purchase site for Optus, a Singtel-owned telecommunication company based in Australia.
- Performed quality testing.
- Conducted code review for the Chengdu outsourcing team.

PROFESSIONAL CERTIFICATES

Google Cloud Certified – Professional Data Engineer
Google Cloud, 16 June 2024
Expires: 16 June 2026
URL: https://www.credly.com/badges/e436f13b-3241-49d1-8eb5-3d6a181f1b29/public_url

ADDITIONAL EXPERIENCES

VICE Magazine Indonesia   **Jan 2017 – Dec 2017**

Translator
- Translated Chinese articles into English. You can view my edited translations here:
  - [When your entire world is one of hong kong most notorious buildlings](#)
  - [There's more to Sichuan cuisine than hotpot](#)
  - [Photographing the disastrous effects of sand mining on the Mekong River](#)
  - [What a bowl of noodles has taught me about home and identity](#)
  - [There's a tiny surf paradise on the edge of one of China's biggest cities](#)
  - [There's an abandoned amusement park dedicated to the American dream in China](#)
  - [The successor to Bruce Lee's one-inch punch shows us all what real kung-fu looks like](#)
  - [Dodging death with China's snake catchers](#)
  - [Begini cara main Pachinko dan menikmati Jepang sesungguhnya bagi pemula](#)

Y3 Technologies   Apr 2009 – Aug 2009
IT Intern
- Performed quality testing.
- Organized workshop.
- Wrote documentation.

Singapore Management University   2010 – 2017
Teaching Assistant at the School of Information Systems
- During the period 2010-2017, I was intermittently a teaching assistant for a course.
- From September – December 2017, I was a teaching assistant for the course "Information Systems and Innovation".
- From January – April 2016, I was a teaching assistant for "Data Warehousing and Business Analytics".
- From January – April 2011, I was a teaching assistant for "Data Mining and Business Analytics".
- From January – April 2010, I was a teaching assistant for "Information Security and Trust".
- As a teaching assistant my responsibilities included grading assignments, answering questions from students, aiding the professor in preparing in-class exercises, and helping students with in-class exercises.

PUBLICATIONS

Google Scholar: https://scholar.google.com/citations?user=5pAqgfwAAAAJ&hl=en

Blood-based epigenome-wide analyses of chronic low-grade inflammation   **Cell Genomics 2024**
across diverse populations cohorts
*Robert F HILLARY, Hong Kiat NG, Daniel L McCARTNEY, Hannah R ELLIOTT, Rosie M WALKER, Archie CAMPBELL, **Felicia HUANG**, Kenan DIREK, Paul WELSH, Naveed SATTAR, Janie CORLEY, Caroline HAYWARD, Andrew M McINTOSH, Cathie SUDLOW, Kathryn L EVANS, Simon R COX, John C CHAMBERS, Marie LOH, Caroline L RELTON, Riccardo E MARIONI, Paul D YOUSEFI, Matthew SUDERMAN*
Cell Genomics Volume 4 Issue 5

Sensing Community Resilience from COVID-19 Using Social Media   **2021**
***Felicia N. HUANG**, Kelly LIM, Evan SIDHI, and Belinda YUEN*
A book chapter in "COVID –19 : Geospatial Information and Community Resilience" by Routledge

Offline versus Online: A Meaningful Categorization of Ties for Retweet   **SocInfo 2018**
***Felicia NATALI** and Feida ZHU*
The 10th International Conference on Social Informatics

Exploring Offline Friendships on the Social Information Network: **Thesis Defense 2018**
Network Characteristics, Information Diffusion, and Tie Strength
Felicia NATALI
Singapore Management University Thesis Defense 2018

The Role of Different Tie Strength in Disseminating Different Topics on a Microblog   **ASONAM 2017**
***Felicia NATALI**, Binxuan HUANG, Kathleen M. CARLEY, Feida ZHU*
The International Conference on Advances in Social Network Analysis and Mining 2017

A Comparison of Fundamental Network Formation Principles between Offline and Online Friends   **NetSciX 2016**
On Twitter

Felicia NATALI*,* Feida ZHU
International School and Conference on Network Science 2016

Extending the Network: The Influence of Offline Friendship on Twitter Network **AMCIS 2016**
Youngsoo KIM, Kyungsub CHOI, and ***Felicia NATALI***
Americas Conference on Information System 2016

Investigating the Influence of Offline Friendship on Twitter Networking Behaviors **HICSS 2016**
Youngsoo KIM, ***Felicia NATALI****,* Feida ZHU, and Ee-Peng LIM
49th Hawaii International Conference on System Sciences

PROJECTS

Github: https://github.com/fnhuang

I am currently working on a language education startup.

SKILLS

- Fluent **English**, Fluent **Bahasa Indonesia**, Fluent **Chinese** (HSK6/CEFR B2+), Intermediate **Russian** (CEFR B1).
- Python, R, Octave, Java, JavaScript, TypeScript, SQL, HTML / CSS, Bash, Hugo, Github, Stata