

# JULIA HSIN-PING HSU

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GitHub: [github.com/JuliaHsu](https://github.com/JuliaHsu)

## EDUCATION

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<b>George Mason University</b> Ph.D. in Information Technology	VA, USA 2020–Present
<b>George Mason University</b> M.S. in Computer Science	VA, USA 2018–2020
<b>University of Taipei</b> B.S. in Computer Science	Taipei, Taiwan 2013–2017
<b>Southwestern Oklahoma State University</b> Exchange Program in Computer Science with Study Abroad Scholarship	OK, USA 2015–2016

## EXPERIENCE

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<b>George Mason University</b> Graduate Research Assistant	VA, USA Nov. 2019–Present
<ul style="list-style-type: none"><li>– ML/ AI for social good</li><li>– ML algorithm implementation</li><li>– Computational community data analytics</li><li>– Map-based visualization system development</li></ul>	
<b>Dept. of Computer Science, University of Taipei</b> Teaching Assistant	Taipei, Taiwan Spring 2017
<ul style="list-style-type: none"><li>– Provided feedback and instructions to 50 students on Java and Python programming assignments</li></ul>	

## RESEARCH EXPERIENCE

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- Making Information Deserts Visible: Computational Models, Disparities in Civic Technology Use, and Urban Decision Making
- AI for AI: Toward Community-level Human-AI Collaborations in Local Meetups
- Benchmarking Local Event Data Disambiguation: Data Fragmentation across Event-based Social Network

## SKILLS

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- **Programming Languages/ Databases:** Python, C, C++, Java, SQL, MongoDB, Spark, MATLAB, HTML, CSS, JavaScript, VHDL, Assembly Language
- **Frameworks/ Other:** Django, Angular, Jenkins, Amazon Web Services, RESTful Web Service (Jersey), React, Rancher, Docker, Android Studio, Google Cloud, Git

## AWARDS AND HONORS

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- University International Travel Grant from Associate Provost for Graduate Education 2022
- Winner of Wells Fargo Campus Analytics Challenge – NLP and Topic Modeling 2020
- Outstanding Achievement Award by Taipei City Council for 4 academic years 2013–2017
- Social Network Design Competition Award 2017
- First Oklahoma High Performance Computing Competition Honorable Mention 2015
- Oklahoma Supercomputing Symposium Participant 2015
- University of Taipei High Scholar Achievement Award for 4 consecutive years 2013–2017
- Winner of the University of Taipei Software Creative Design Competition 2013

## PROFESSIONAL SERVICE

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- **Student Volunteer**, RecSys 2022 2022
- **Reviewer**, SocInfo 2022 2022

## PUBLICATIONS

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- [1] J. H.-P. Hsu, J. Wang, and M. Lee, “Towards an expectation-oriented model of public service quality: A preliminary study of nyc 311”, in *International Conference on Social Informatics*, Springer, 2022, pp. 447–458.

## INDUSTRY EXPERIENCE

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**MYGUARD Company Limited**  
Software Engineer

Taoyuan, Taiwan  
June 2017 – July 2018

- Developed and improved iOS and Android Apps for international medical foundation and increased 16% of downloads in one year
- Used Python to analyze and generate usage report of Apps to help the medical foundation spread medical knowledge

## EXTRACURRICULAR ACTIVITIES

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- Southwestern International Student Association 2015–2016  
*Delegate from Taiwan*
- Computer Club 2015–2016  
*C programming tutor for undergraduate students*
- Student Association of Computer Science 2014–2015  
*Event General Coordinator*

## LANGUAGES

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- **Mandarin Chinese:** Native
- **English:** Professional working proficiency