

Ping-Keng Hsieh

E-mail: pxh190002@utdallas.edu
Cell: 682-283-XXXX

Work Authorization: F-1 Visa
LinkedIn: linkedin.com/in/ping-keng-hsieh

EDUCATION	The University of Texas at Dallas , Richardson, TX	Anticipated Graduation: May 2021
	M.S. in Computer Science	GPA: 4.0/4.0
	National Chiao Tung University , Hsinchu, Taiwan	09/2014 – 06/2016
	M.S. in Communications Engineering	GPA: 3.72/4.3
	National Taiwan University , Taipei, Taiwan	09/2010 – 06/2014
	B.S. in Electrical Engineering	GPA: 3.03/4.3

SKILLS	Programming Languages : C/C++, JavaScript, Python, Java
	Framework & Tool : MATLAB, NumPy, PyTorch, Git, Swagger, Pistache
	Web Services : HTML5/CSS, JavaScript ES6+, React, REST API, AWS S3
	Databases : MySQL, Knowledge Graph (RDF/OWL)
	Quantitative : Numerical Computing, Statistical Inference

WORK EXPERIENCE	NetApp Inc. , United States	06/2020 – 08/2020
	Software Engineer Intern	
	<ul style="list-style-type: none">● Worked on the intern project in Cloud Replication services, Data Protection Group.● Developed REST API for replication utility based on cloud data connector service.● Extended the availability with cloud when the main storage service is down or beyond reach.	

	Institute of Information Science, Academia Sinica , Taiwan	09/2017 – 07/2019
	Research Assistant	
	<ul style="list-style-type: none">● Prototyped deep learning models for Information Extraction into a library, which was successfully delivered to Institute for Information Industry.● Investigated and designed a multi-task Entity Linking model for knowledge graph construction.● Engineered a dataset for relation extraction on product reviews in Traditional Chinese, which is to be openly released on the lab website.	
	Skill Sets: Python, Jupyter Notebook, PyTorch, BiLSTM, Self-Attention, Machine Learning, NLP	

	NCTU Computer Science department , Taiwan	02/2015 – 06/2016
	Teaching Assistant	
	<ul style="list-style-type: none">● Administered classroom of IOC5157 - Free and Open Source Software and Project Collaboration.● Tracked student projects and assisted grading during 2015/2016 Spring IOC5157.	

	Institute of Information Science, Academia Sinica , Taiwan	07/2014 – 08/2016
	Research Intern	
	<ul style="list-style-type: none">● Developed a mobile app to crowdsource visual and GPS data of roadkill for roadkill.tw.● Published the app with 1000+ downloads which contributed to thousands of refined records.	
	Skill Sets: MVC, JavaScript ES6, HTML5/CSS, PhoneGap, Drupal REST API, Git	

ACADEMIC PROJECTS	Sentence Prediction of Courts Martial from Taiwan Transitional Justice Database	03/2020 – 05/2020
	Scraped prosecution attributes of trials from the online database, engineered it into a sentence classification dataset, and modeled it with custom random forests and Adaboosted trees.	

	Study on Information Extraction for Knowledge Graph Construction	02/2018 – 11/2018
	Conducted survey on entity and relation extraction research, prototyped a joint extraction deep neural model, and demonstrated it extracting knowledge tuples from product reviews into RDF.	