

# Kuan-Yin Chen (Kevin Chen)

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## EDUCATION

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- **National Chiao Tung University**

*B.S. in Computer Science; GPA: 3.80/4.3 (Overall), 3.97/4.3 (Last 60 units)*

Hsinchu, Taiwan

*Sep. 2014 – May. 2018*

## EXPERIENCE

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- **Trend Micro Inc.**

*Engineer*

Taipei, Taiwan

*Jun. 2019 – Present*

- **CnC Sourcing and Validation System:** Redesigned legacy system for threat analysts. Enhanced efficiency and maintainability with cloud-native micro-services. Implemented asynchronous Python REST API and React with Typescript Front-end.
- **CnC Automation Pipeline:** Created a automated CnC analysis pipeline and validation rule system. Using AWS Step Function and Lambda to improve scalability and handle high concurrency requests.

- **Republic of China (Taiwan) Army**

*Mandatory Military Service*

Pingtung, Taiwan

*Nov. 2018 – Mar. 2019*

- **Military Training:** Four-month mandatory military training

- **Information Technology Service Center**

*Software Engineer*

National Chiao-Tung University

*Oct. 2015 – May. 2018*

- **OAuth Service:** Developed campus single sign-on and data authorization system using Django.

- **Junyi Academy (Non-for-profit)**

*Software Engineer (Part-time)*

Taipei, Taiwan

*Sep. 2016 – Oct. 2018*

- **CI/CD:** Established continuous integration and continuous delivery infrastructure and practices to enhance RD team workflow.
- **Kubernetes:** Built Kubernetes and Docker infrastructure using Google Cloud Platform.
- **Donation Platform:** Redesigned legacy donation website. Involved in feature such as donation flow, payment, campaign and user behavior tracking.
- **English Learning Module:** Implemented a English speaking and listening learning module using React, Speech API, and Text-to-Speech API.

- **Industrial Technology Research Institute**

*Software Engineer (Part-time)*

Hsinchu, Taiwan

*Jun. 2015 – Jun. 2018*

- **Machine Learning:** Developing machine learning methods towards extraction of keywords and trends from Chinese data sources.
- **Analysis Platform:** Developed crawlers and web platform for E-Commerce and social-network big data collection and analysis.

## PUBLICATIONS

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- **Who matters: a closer look at interpersonal relationship in mobile interruptibility**

*Kuan-Yin Chen, Hao-Ping Lee, Chih-Heng Lin, and Yung-Ju Chang*

Workshop at International Conference on Ubiquitous Computing (Ubicomp EA), 2017

- **Does Who Matter?: Studying the Impact of Relationship Characteristics on Receptivity to Mobile IM Messages**

*Hao-Ping Lee, Kuan-Yin Chen, Chih-Heng Lin, Chia-Yu Chen, Yu-Lin Chung, Yung-Ju Chang, and Chien-Ru Sun*

ACM Special Interest Group on Computer-Human Interaction (CHI), 2019

- **Connecting IM pattern and selective perceived responsiveness to relationship: a cluster-based approach**

*Hao-Ping Lee, Kuan-Yin Chen, Chih-Heng Lin, and Yung-Ju Chang*

Workshop at International Conference on Ubiquitous Computing (Ubicomp EA), 2019

- **Predicting Smartphone Users' General Responsiveness to IM Contacts Based on IM Behavior**  
*Hao-Ping Lee, Tilman Dingler, Chih-Heng Lin, Kuan-Yin Chen, Yu-Lin Chung, Chia-Yu Chen, and Yung-Ju Chang*  
Poster at International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI EA), 2019

## PROJECTS

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- **Domain Service:** Created a service serving free sub-domain and dynamic-DNS for 4300 users. <https://nctu.me/>
- **Tourism Analysis Platform:** Implemented Korean tourism trends analysis platform for Fontrip Technology (Tourism Resources Company)
- **User Experience Evaluation:** Evaluated KKday (online travel agency website) through user studies. Presented a user experience review to the company's R&D and design team.

## LEADERSHIP

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- **Next Clinic (Startup)** Taipei/Hsinchu, Taiwan  
*Founder* May. 2017 – July. 2018
  - **Healthcare System:** Led a team of software engineers and doctors to develop remote COPD rehabilitation system. Joined the healthcare accelerator in Taiwan - H.Spectrum. Collaborated with National Taiwan University Hospital Chu-Tung Branch.
- **TEDxNCTU Annual Conference (2015, 2016)** National Chiao-Tung University  
*Chief Technology Officer* Jun. 2015 – Nov. 2016
  - **Interaction:** Designed RFID-based tickets and a live-polling system to enhance audience experience.
  - **Virtual Reality:** Designed virtual reality experience with Industrial Technology Research Institute.

## TEACHING EXPERIENCES

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- **Technology Entrepreneurship: From IP to IPO** National Chiao-Tung University  
*Teacher Assistance* Jan. 2018 – Jun. 2018
- **Design Thinking Club** National Chiao-Tung University  
*Workshop Couch* Jun. 2015 – Nov. 2016
- **NCTU.py: Introduction to Python Programming** National Chiao-Tung University  
*Coordinator and Lecturer* Sep. 2015 – Oct. 2015

## AWARDS

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- **Mei-Chu Hackathon** National Chiao-Tung University  
*2015: 2nd Place, E.Sun Bank Group 1st Place, UI/UX Prize* Oct. 2015 – 2017  
*2016: Hope Bay Tech Group 3rd Place*  
*2017: Trend Micro Group 3rd Place*
- **Power Saving Creative Design Contest** Taiwan Power Company  
*Top Three* Oct. 2016
- **Taiwan National Collegiate Programming Contest** Taiwan Ministry of Education  
*1st Place of Application Software Group* Oct. 2016
- **Taiwan OpenStack Application Hackathon** Openstack Foundation  
*Top six over 35 teams* Mar. 2016

## SKILLS

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- **Languages:** Python, Javascript, Shell Script      **Cloud:** AWS, GCP, Serverless, Kubernetes, Container
- **Backend:** Django, Flask, Fastapi      **Frontend:** React, Vue      **Database:** Mysql, MongoDB
- **Others:** CI/CD, Git, User Experience and Usability Evaluation