CHENG-YU HSU

SOFTWARE DEVELOPER

🌐 Taiwan (GMT+8)
📱 +886 978 175 931
✉ m@cyhsu.me

EDUCATION

Master of Computer Science

National Tsing Hua University

Nov 2016
Hsinchu, Taiwan

Bachelor of Computer Science

National Tsing Hua University

Jun 2014
Hsinchu, Taiwan

EXPERIENCE

Research Assistant

National Tsing Hua University

Jul 2014 — Present
Hsinchu, Taiwan

- Develop scientific computing / machine learning programs
- Cooperate with companies to build smart systems based on their data
- Collect and process data for research purposes
- Automate experiment processes on clusters

Freelance iOS Developer

Self-employed

Jul 2014 — Present
Remote

- Cooperate with organizations, companies, and startups to build iOS apps for their services

Contract Full Stack Developer

GitHub (Google Summer of Code)

Apr 2016 — Sep 2016
Remote

- Design and implement new features based on user feedbacks
- Maintain the existing application and roll bug fixes

Teaching Assistant (Machine Learning)

National Tsing Hua University

Sep 2015 — Feb 2016
Hsinchu, Taiwan

- Design assignments for graduate students to gain experience in developing suitable machine learning models for particular data tasks
- Deliver additional lectures covering essentials statistical and mathematical knowledge that are frequently used in machine learning research

Teaching Assistant (Software Studio)

National Tsing Hua University

Sep 2014 — Feb 2015
Hsinchu, Taiwan

- Design and deliver hands-on labs on general software development skills and processes for sophomore computer science students

Contract Developer

Hsinchu City Teacher's Association

Aug 2011 — Feb 2012
Remote

- Maintain the existing website and roll fixes based on user feedback
- Design and implement content management system for other administrators

SELECTED PROJECTS

GitHub Classroom
Full Stack Developer

- Design and implement new features based on user feedback
- Identify and fix potential bugs
- Act as a support that helps users to resolve problems

BrakeValve: Buyer's Guide for Game Players on Steam
Team Leader / Developer

- Design and implement backend data processing workflows
- Design and implement browser extensions

Hop: Mobile App for Sharing Fun Moments Instantly
iOS Developer

- Design flexible and extensible architectures
- Design user interfaces to match iOS style guides and company impression
- Respond to user feedback and improve the app accordingly

Car Model Recommendation using Customer Satisfaction
Data Scientist / Developer

- Analyze and interpret data provided by industry partner (Ford)
- Build models that accurately predicts customer satisfaction based on buyer's profile
- Deliver tools that help our industry partner identifying target audience for each car model

Hsinchu City Teacher's Association's Website
Developer / Administrator

- Maintain existing website: improve performance and usability
- Design and develop content management system for other administrators to use

SKILLS

Ruby, Swift, Python, Objective-C, Java, Javascript, Shell Script, HTML/CSS, SQL, Git

LANGUAGES

Chinese (Native), English

PUBLICATION

Yan-Fu Liu, **Cheng-Yu Hsu** & Shan-Hung Wu. (2015). *Non-Linear Cross-Domain Collaborative Filtering via Hyper-Structure Transfer*. Proceedings of The 32nd International Conference on Machine Learning, 1190–1198.