

EDUCATION

University of California, Berkeley 2017 – 2019
 Master of Information Management and Systems
 Coursework: Principles & Techniques of Data Science, Information Retrieval, Quantitative Research, Artificial Intelligence, Information Visualization, Information Law & Policy, Agile Engineering Practice.

National Chengchi University, Taiwan 2005 – 2009
 Major: B.S. in Computer Science; Minor: European Language and Culture
 Study abroad coursework in Management at Escola De Administração De Empresas De São Paulo – FGV, Brazil

PROJECTS

Ames Housing Price Prediction: Python, Pandas, Scikit-learn 2018
 Built housing price prediction model for data from Ames Assessor's Office, Iowa, using linear regression.

Horror Novel Author Prediction: Python, Pandas, NLTK, Gensim 2018
 Predicted the author of excerpts from several horror stories using Naive Bayes classifier.

SF Food Safety: Python, Pandas, NLTK 2018
 Analyzed restaurant inspection data from SF Department of Public Health with Python and visualized results with Tableau.

MoMA Artwork Color Search: Python, Pandas, Colormath, Google Vision API 2017
 Developed a **Python** app to search MoMA artworks by colors using Google Cloud Vision API. It uses perceptually uniform LAB color space to compute color differences.

SKILLS

Languages	Data Analysis Libraries	Data Visualization	Database
Python, R, SQL, PHP, Java, HTML, JavaScript	Pandas, Scikit-Learn, Numpy, NLTK, matplotlib, SeaBorn	Tableau, Highcharts, D3.js, Adobe Illustrator	MySQL, Oracle

EXPERIENCE

Backend Web Team Manager, Ruten – PChome Online & eBay JV 2015 – 2017

- Recruited and mentored a team sized 20, consisting of backend and frontend engineers.
- Collaborated with stakeholders(e.g. project managers, customer relations, marketing) to design functions and business models of products to ensure feasibility and accountability.
- Administered project scheduling and timeline scoping, distributed tasks to engineers, and code-reviewed for backend programs with agile approach in order to ensure product quality and on-time delivery.
- Coordinated API specs and system integrated testing with external partners of logistics and third party online payment.

Backend Web Engineer, Ruten – PChome Online & eBay JV 2012 – 2015

- Developed website and transaction related feature **APIs** ranging from bidding, online payment, to products delivery on the C2C e-commerce website, mobile app, and ERP systems with **PHP** and **Mustache**.
- Built package tracking and payment after delivery mechanism on the C2C shopping website in **PHP** and **SQL**, parsing FTP/ SOAP data from external logistics partners, providing more convenient shipping options for users and gaining more user behavioral data for decision making.
- Refactored legacy programs to improve OO structure and to better integrate with new product features.
- Overhauled website encoding from Big5 to UTF-8 of thousands of webpages and Data model, in order to solve long-existing Chinese character incompatible issues.
- Diagnosed and resolved the most difficult or urgent product functionality issues.

Co-Founder / Full-Stack Developer, Self-employed 2011 – 2012

- Managed and mentored a 5 person team of developers and designers, matching projects with skills and distributing tasks by skills levels, individuals' strengths.
- Designed and developed business websites using **HTML/ CSS3/ JavaScript/ PHP** with **Drupal** for clients.
- Pitched and communicated with clients for website design and features, exploring clients' real needs.

Web Engineer, Mobile01 2010 – 2011

- Managed relations with technology manufacturers and collected product data from these partners to ensure our website got the most exclusive product news for our users.
- Developed a product specifications comparison system using **PHP** and **JavaScript** on the technology product forum, helping users make purchase decisions.

APAC Web Engineer, NVIDIA Corporation 2009 – 2010

- Maintained contents on 4 NVIDIA websites in APAC regions (China, Korea, Japan, Taiwan).
- Collaborated with colleagues from headquarters and other subsidiaries in different countries on website development using **Flex (ActionScript)** and **MATE** framework.
- Developed interactive websites using **HTML/ CSS3/ JavaScript/ PHP** for marketing campaigns under extremely limited timeframe.
- Analyzed and visualized website clicks data to assist website components positioning design.

TECH COMMUNITY

Translator, Coursera Global Translator Community 2016 – Present
 Translate subtitle of English-taught courses, especially programming and data science courses, into traditional Chinese.

Co-organizer and Speaker, R Ladies Group 2014 – 2017
 Led R language learning sessions aimed towards encouraging women in technology roles.