Taipei, Taiwan
karenhaoyitu@gmail.com
+886-918-420-513

Karen Hao-Yi Tu

linkedin.com/in/haoyikarentu
karenhaoyitu.com
github.com/haoyt5

EDUCATION

University of California, Berkeley, Berkeley, CA   May 2018－August 2018

Summer Session, Cumulative GPA: 3.42/4.0 0
Relevant Coursework: **CS160** User Interface Design and Development

- Created and conducted seven projects during the ten-week 7 hours per week course with a thorough design cycle, including ideation, prototyping, wireframing, user evaluation, and implementation.
- Implemented five web applications using **HTML, CSS, JavaScript, WebSocket, and Django**.
- Obtained one of the three design awards among 30 teams in the class of CS160 for a high-achieving design cycle.

National Taiwan Normal University, Taipei, Taiwan   September 2012－January 2017
Bachelor of Arts, History, Cumulative GPA: 3.74/4.30
Relevant Coursework: Linguistic Analysis and Data Science (Python, R)

SKILLS

Programming Languages: Familiarity with WebDev Languages (HTML, CSS, JavaScript, jQuery), Python
Frameworks and Tools: Familiarity with React and Redux, Unit Test (Jest, Enzyme), Git, Webpack, LaTeX
Languages: English, Mandarin, Taiwanese

EXPERIENCE

Sr. Engineer, Trend Micro Inc., Taipei, Taiwan   June 2019－Present

- Working at the Channel Digital Platform team under the Business Application department, our team delivers internal business intelligence tools with the order and product synthesis data.
- Design, develop, test, deploy, and maintain the platform UIs in **React/Redux** to advance two region sales teams' understanding of channel business through data visualization and the summary of various customer activities.
- Ensure effective and efficient UX by increasing website performance that reduces page loading time by 50%.
- Awarded 1st prize in the annual departmental **DevOps** competition among 20 teams.

Web Class Trainee, AppWorks School, Taipei, Taiwan   January 2019－June 2019

- Selected as one of 9 trainees from 400+ applications for the non-CS background with programming potential.
- Equipped ample amounts of software development knowledge and hands-on skills in the 75 to 80 hours/week project-based training. Independently created four assigned and personal web apps in **VanillaJS** and **React/Redux**.

PROJECTS

Front-End Engineer, Homie － Web Application Project   Match 2019

- HOMIE is a cloud-based house-work management tool built with **React, Redux, D3.js, and Firebase**.
- Implemented and designed member, group, task management, and point reward feature with Firebase.
- Visualized the task-rewarding system by plotting point charts using **D3.js** to drive the users with initiatives.

UI Designer / Web Developer, NS WATCHER － Mobile Application Project   February 2018

- Led design for 5,000+ downloads and 4.9/5.0 rated game price comparison Android application(NS Watcher) to help users figure out the best deals.
- Collaborated with the android developer on ideation and developed the **VanillaJS** website for application introduction.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

International Youth, National Taiwan Normal University, Taipei, Taiwan   September 2015－June 2016

- Served 49 hours of mentoring six first-year international students and certified as a member of International Youth.
- Coordinated visual design of four events; each attracted over 300 international attendees.