Taipei, Taiwan
karenhaoyitu@gmail.com

Karen Hao-Yi Tu

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

EDUCATION

New York University, Tandon School of Engineering, Brooklyn, NY　　　　January 2021－June 2021

Tandon Bridge Program - Preparatory Course for Graduate Studies in Computing

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

Summer Session, Cumulative GPA: 3.42/4.0 0
Selected Relevant Coursework: **CS160** User Interface Design and Development, Design Methodology
- 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
Selected Relevant Coursework: Linguistic Analysis and Data Science (Python, R)

SKILLS

Programming Languages: Familiarity with WebDev Languages (HTML, CSS, JavaScript, jQuery), Python, SQL, C++
Frameworks and Tools: React and Redux, Unit Test (Jest, Enzyme), RESTful API, Node.js, Git, Webpack, LaTeX
Languages: English, Mandarin, Taiwanese

PROFESSIONAL EXPERIENCE

Sr. Engineer, Trend Micro Inc., Taipei, Taiwan　　　　June 2019－Present
- Working at the Channel Digital Platform, Personal Licensing Service team in the Research and Development department, our team delivers internal business intelligence 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' 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%.
- Won 2nd prize in internal Customer Success and DevOps contest among 90 teams and 1500 participants.
- Awarded 1st prize in the annual departmental **DevOps** competition among 20 teams and 300 people.

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 based on 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　　　　March 2019
- HOMIE is a cloud-based house-work management tool built with **React, Redux, D3.js, and Firebase**.
- Implemented member, group, task management, and point reward feature with Firebase to create organic
- Visualized the task-rewarding system by plotting bar charts using **D3.js** to drive 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.
- Developed delightful and effective interaction through **VanillaJS** to build an introduction website for potential users.

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.