CATHERINE TUNTISERIRAT

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EDUCATION

Harvard University, A.B. in Computer Science; Cumulative GPA: 3.41 — Cambridge, MA
Relevant Coursework: Design of Usability and Interactive System, Designing for Desirability, Data Visualization, — May 2017
Theory of Computation, Systems Programming, Linear Algebra and Differential Equations, Public Speaking Practicum
Chamberlain Senior High School — Tampa, FL
Weighted GPA 5.16/4.00. Advanced Placement Scholar with Distinction. — May 2012

TECHNICAL EXPERIENCE & PROJECTS

Coding: <u>Most familiar with</u> C, CSS, HTML • <u>Exposure to</u> Ocaml, JavaScript , PHP, MySQL, D3.js, Sass
Design: Photography, CSS, Adobe InDesign, Illustrator, Photoshop, VSCO

The Settle –- Relocation Service for Expatriates — Bangkok, Thailand / Jun – Aug 2016

- Directed the ideation, demand-testing, and prototyping cycles among 2 engineers and 1 volunteered designer which resulted in an agreed-upon product concepts and work schedule.
- Designed and orchestrated 4 prototype stages that validates the market demand and user's preference for the product
- Analyzed qualitative interviews and testing results from 60 users which significantly solidified a vision for the team; this allows everyone to progress smoothly into technical development cycle

Nohana –- Social Video-Streaming Application — Cambridge, MA / Jan - May 2016

- Conducted a series of user research and testing based on human-centered design method
- Designed a wireframe and implemented a minimal interactive prototype using JQuery Mobile

Teeban –- Thailand-based Real Estate Web Aggregator — Bangkok, Thailand / Jun - Aug 2015

- Designed a web app interface for real estate web aggregator based on interview results of target audience
- Analyzed the research result to create a user persona that was used as a guideline in developing the product
- Built preliminary prototype websites using JavaScript, SASS, and other CSS frameworks such as Foundation
- Coordinated with team to apply research results in designing data collection methods and database structure

Ocaml Spellchecker — Cambridge, MA / Jan - May 2015

- Engineered the structure for a spell-checker that suggests a list of words to replace a misspelled word
- Applied Burkhard-Keller Tree modules, Levensthein Distance, and Bayes' Theorem to optimize insertion, search, and deletion time

Data Visualization, "Did the Aid Help?" — Cambridge, MA / March – May 2015

- Designed website structure and types of data visualization to best respond to assessing the effectiveness of international donations on population policy
- Handled data wrangling for instant filter results displayed. Implemented an all-integrated interactive visualization consisting of sunburst charts, data-encoded geographical map, multi-line series graph and histogram with D3.js

ADDITIONAL EXPERIENCE & ACTIVITIES

Women Engineers Code (WECode) Conference ~ *Advisor for Logistics Board & Committees* — Cambridge, MA / Sept 2016 – Present

- Provided insights and advice on logistics and operations for the largest student-run Women in Computer Science Conference with 500+ attendees. Previously Served as the Director of Volunteers (Sept 2015 – February 2016)

Global Village Fruit ~ *Operations & Marketing Associate* — Cambridge, MA / Jan – Jun 2014

- Handled supply chain logistics, optimized packaging quantities and sizes based on analysis of customer demand
- Strategized brand management through social media plan, press outreach, organization of launch event

Happy Farmers –- Thailand's farm-to-table online marketplace — Cambridge, MA / Sept 2014 – Jan 2015

- Liaised between a business planner and an engineer to develop a data-gathering platform in the early stage

LANGUAGE SKILLS & INTERESTS

Languages: Proficient in Chinese, Fluent in Thai; **Interests:** Go board game, Women Empowerment (Girls Who Code)