ZHENNAN ZHOU

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EDUCATION

University of Washington

Bachelor of Science: Computer Science
Cumulative GPA: *3.88/4.00*
Annual Dean's List: *2017-2018, 2018-2019, 2019-2020*
Expected Graduation Date: *June 2021*

📅 2017 – Present   📍 Seattle, WA

Selected Course Work: **HCI Capstone** | **Software Design and Implementation** | **Data Structures and Parallelism** | **Introduction to HCI** | Foundation of Computing I, II | Hardware & Software Interfaces
Courses in Progress: Intro to Database, Security, Creative Design.

EXPERIENCE

Human-Centered Design Engineering Lab

Undergraduate Research Assistant

📅 2020.06-Present   📍 Seattle, WA

- Brainstormed and designed contextual information cue cards on Twitter accounts using participatory design methods and contextual inquiries.
- Drafted user research interview protocols, structured and conducted participants screening over 40 participants. Prepared interviews, queries, and map participants' data using **Twitter public API** and **JavaScript**.
- Analyze user research results and draft subsequent influence and implications on users' assessment of the content's trustworthiness (*In-Progress*).

UWCSE HCI Capstone 2020 (*Best Design Award*)

📅 2020.03-2020.06   📍 Seattle, WA

- Conducted and analyzed various user research in fostering virtual connections among UW students, using the AEIOU framework, participatory design method, contextual inquiries, surveys, and affinity diagrams.
- Designed *Husky Mask Exchange* mobile app interfaces, user flows and user interactions. Continually iterated to high-fidelity prototype based on user feedback and usability testing results on Figma.
- Cooperated with a team of 4 people and constructed code specification, architectural design and then built the mobile app accordingly using **React Native**, **JavaScript**, **CSS** following MVC design pattern.

Miidii Tech

Software Engineer Intern

📅 2019.07-2019.09   📍 Hangzhou, China

- Designed and built *Focus* feature, through user research, prototyping, usability testing on *OffScreen*, an iOS App Store-featured health-focused app. Built the user interfaces and core functionality with **Swift** and UIKit.
- Implemented **accessibility** enhancements and enriched user interfaces by adding more shortcuts details on *Sharecuts(iOS)*, the leading shortcuts community on iOS, using **AsyncDisplayKit**, **Realm** and **Swift**. Improved app's accessibility support by 50%.

HUAVoice, *UW Student Publication Department*

Technical Director, Podcaster

📅 2017.09-Present   📍 Seattle, WA

- Host weekly podcasts regarding technology, culture, and their combined influence with 1000+ weekly audience.
- Provide boot camp training for new podcasters and offer technical support to other podcasters.

PROJECTS

Ahead (Task management App, iOS)

Feb 2020 - Present

- Conducted user research, usability testing, and feedback analysis that drives the App's **user experience**, **user flows**, and **features design**.
- Design and develop user interfaces, back-end data model, and user interactions by applying key principles in human-computer interactions and using **UIKit**, **CoreData**, and **Hero**.
- Act as a leader in a team of 3 people. Organize and maintain project progress and facilitate effective cooperation, mutual feedback, and communication among team members.

iChecker (Personal Project)

July 2019 - Present

- Develop *iChecker* that keeps track of multiple currencies exchange rates with **Swift**, *PromiseKit*, *Alamofire* and open currency APIs. Helped 500+ people keep track of currencies fluctuations.
- Design the UI prototype with *Figma* and implemented interactive interfaces with **Swift** and *Hero*. Implement on-device data models with **RealmSwift** library.

UW Campus Map(Course Project, Java)

Jan 2020 - Mar 2020

- Individually implemented **Dijkstra's Algorithm** to identify the shortest path and used OpenCsv API to map data sets to Java Bean.
- Applied Model-View-Controller design pattern to provide a clear and separate logic of code and decrease coupling to maximize code reusability.
- Designed and developed Campus Map server using **Spark Java** as well as an interactive Web app with React to allow users to click on the map to choose buildings and find the shortest path between them in the UW campus.

SKILLS

- **Programming**: **Java**, **Swift**, JavaScript, R, MATLAB, LaTeX, C
- **Framework**: **UIKit**, **React**, **React Native**, Realm(Swift), Hero(Swift), PromiseKit(Swift), Texture(Swift)
- **Software Tools**: **Xcode** | **IntelliJ IDEA** | **Human Computer Interaction, Design, Prototyping and Evaluation** | **Git** | **Figma** | **Adobe XD** | MATLAB | Unix Command Line | Microsoft Office | Final Cut Pro | Adobe Audition | Apple iWork | Adobe Lightroom
- **Language:** Native in Chinese, Fluent in English, Intermediate Japanese(2nd year)