Wen Qiu

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EDUCATION

University of Washington- Seattle   *Sep 2017- Expected Dec 2021*

- o B.S. in Computer Science and Engineering, GPA 3.98/4.0
- o STARS Scholar: highly competitive engineering enrichment program for Washington state students from underserved high schools
- o Coursework: Data Programming, Web Programming, Software Design, Data Structures & Algorithms, HCI

SKILLS

- o Technical: Java, C#, Swift, Git, Unity, Python (Pandas, Seaborn, Matplotlib, Scikit-Learn), Google Colab, HTML, CSS, JavaScript, PHP, SQL, React, BigQuery, Beginner React Native, C++
- o Design: Sketch, Adobe XD, Figma, Adobe Photoshop CC
- o Language: Mandarin (native), Cantonese (native), English (fluent)

INTERNSHIPS

Incoming Software Engineering Intern / Microsoft   *Summer 2021*

Software Engineering Intern / Cloudflare / Remote   *Jun 2020- Sep 2020*

- o Researched and scoped a client-side security solution targeting at 3rd party JavaScript supply-chain attacks
- o Performed static JS script analysis using Esprima library and trained ML models to detect obfuscation and malicious JS
- o Implemented interactive data visualizations for the Browser Insights dashboard using React and TypeScript

UX Engineering Intern / Microsoft / Redmond, WA   *Jun 2019- Sep 2019*

- o Designed and engineered an app demo leveraging iOS shared component library for Microsoft mobile prototypes
- o Developed usability testing plan and improved design with findings from 6 in-person interviews with potential users
- o Automated bulk icon import and configuration in Xcode with Python and reduced the import time to under 5 minutes

New Technologist / Microsoft / Redmond, WA   *Jun 2018- Aug 2018*

- o Led a four-person team to create an iOS prototype to connect teachers to professionals on LinkedIn using Agile
- o Refined the interface through multiple iterations and designed the backend data model
- o Pitched the app to a group of Microsoft M365 CVP's, Sr. Software Engineers, and Sr. Program Managers

ACTIVITIES

Undergraduate Research Assistant / Make4All Lab   *Sep 2020- Current*

- o Develop a Python add-on for the open-source screen reader NVDA that implements SPRITEs, a set of interaction techniques for providing vision-impaired users structural and spatial information when browsing the web

Head Teaching Assistant / CSE 163 Intermediate Data Programming   *Jan 2020- Aug 2020*

- o Led one section every week teaching data science libraries including Pandas, Seaborn, Scikit-learn, and Matplotlib
- o As the head TA, authored the grading guide and style guide for the course, managed grading schedules and performed quality and consistency checks on grading feedbacks for a team of more than 10 TAs
- o Created a course website template with better usability and accessibility, currently being used by 4 different CS courses

Fellow / Rewriting the Code   *Sep 2018- Current*

- o Organized 3 social events for RTC summer interns in Seattle as one of the 5 Seattle Hub Leaders in summer 2019
- o Mentored 2 college women in the Big/Little Program and offered advice on internship search and career development