CATHY CHOW
UX Designer and Developer

chowcy@umich.edu • cathyychow.com • github.com/chowcy

RELEVANT EXPERIENCE

ProQuest, Part of Clarivate, Ann Arbor, MI.
Lead Software Engineer, User Interface Developer   11/2022-present
- Design, implement, and test functional requirements for a .NET application used by the top pharmaceutical companies
- Mentor and onboard newly hired senior software engineers to increase team velocity and sustainability
- Translate design concepts into user-friendly and time-saving interfaces by using Angular, HTML/CSS, and JavaScript
- Collaborate with UX designers on user research, interviews, and prototyping while advocating for data-driven design decisions
- Automate end-to-end test cases using Selenium, eventually increasing test execution pass percentage from 10% to over 90%

University of Michigan School of Information, Ann Arbor, MI.
Graduate Student Instructor   09/2017-12/2017
- Led two discussion sections and executed lesson plans weekly for 50 students in an introductory Python programming course
- Evaluated over 200 students' code and provided them with feedback each week

webit! Gesellschaft für neue Medien, Dresden, Germany.
Front-End Web Developer Intern   05/2017-08/2017
- Communicated web designers' visions by creating responsive web templates using HTML/CSS, JavaScript, and Git
- Created interactive Proof of Concept webpage for project managers to present to clients during design phase

PROJECTS

Michigan Secretary of State Translated Sample Ballots Site
UX Designer and Webmaster   10/2020
- Designed and implemented a website for the Michigan Secretary of State office that helps voters find translated sample ballots in Spanish, Arabic, and Bangla ahead of the November 2020 general election

Wireless Ypsi Splash Page and Landing Page
Designer and Front-End Developer   01/2018-03/2018
- Designed and implemented a Splash Page and Landing Page in HTML/CSS for Wireless Ypsi's over 3000+ daily users

Infotainment System Usability Evaluation
UX Researcher and Consultant for Harman   01/2017-05/2017
- Conducted interviews, surveys, and usability tests for an in-vehicle infotainment system and formulated recommendations for the system's development team at Harman International

EDUCATION

University of Michigan School of Information
*M.S. in Information,
Human-Computer Interaction*, 2018

University of Michigan
B.S. in German, 2015, 3.98 GPA

SKILLS

Development:
Python, C#, Angular, HTML/CSS, JavaScript, C++, PHP, R, SQL, Ruby, Git, SASS, Grunt
Testing: Robot Framework, Selenium
CMS: Drupal, Filemaker, Wordpress

UX Design:
Sketching, Wireframing, Prototyping, Personas, Storyboarding, Interaction Design, Responsive Design, Graphic Design

UX Research:
Contextual Inquiry, Interviewing, Survey Design, Quantitative Data Analysis, Usability Testing, Heuristic Evaluation, Affinity Diagram

Tools:
Adobe Illustrator, Adobe Photoshop, Figma, Marvel, SPSS, RStudio, Hadoop, Tableau

Languages:
German, Cantonese, Spanish

Other:
German-to-English translations, Event Planning, Mental Health First Aid certified

EXTRACURRICULARS/HONORS

Fulbright Grantee, 2015-2016
Phi Beta Kappa