WEI (ORPHEUS) PENG

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EDUCATION

Carnegie Mellon University (Silicon Valley), Moffett Field, CA　　　　　August 2020 - August 2021
M.S. Software Management
Denison University, Granville, OH　(Summa Cum Laude)　　　　　　August 2013 - May 2017
B.S. Computer Science; *B.A.* Mathematics　(Cumulative GPA 3.91; Major GPA 4.00)
School of Informatics, University of Edinburgh, United Kingdom　　　　January 2016 - May 2016
Non-degree, study abroad program　(GPA 4.00)

PROFESSIONAL EXPERIENCE

YouTube, Google LLC
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　June 2017 - July 2020
- Engineer for YouTube main app ("the app") on living room devices (e.g. smart TVs, game consoles, TV boxes etc.), a client with over 100 million monthly active users globally.
- Built user-facing features and implemented UI redesigns for the app using TypeScript, SASS, HTML, and Python, collaborating with engineers, product, UX, and QA across teams.
- Redesigned and rewrote the app's core module interfacing with the YouTube Player API using Promise and Fetch API.
- Rewrote core components of the video watching UI using a reactive UI framework written in TypeScript and implemented UI tests using Storybook.

Google LLC
Software Engineering Intern　　　　　　　　　　　　　　　　　　　May 2016 - August 2016
- Built UI components for Google Cloud Platform Console using AngularJS, Karma, Protractor, HTML, and CSS.
- Implemented various UI A/B test variants to study user on-boarding experience with UX and product.
- Improved the platform's free trial sign-up page layout, resulting in a 16% lift in user sign-up success rate.

Google LLC
Engineering Practicum Intern　　　　　　　　　　　　　　　　　　May 2015 - August 2015
- Implemented a sign-in flow based on app extension for Google Sign-In SDK on iOS using Objective-C.
- Built UI components for the Google Smart Lock prototype on iOS with internationalization and dynamic layout support, collaborating with UX and product.

PROJECTS

Expanding Archive Project　　　　　　　　　　　　　　　　　　　September 2015 - May 2016
- The Expanding Archive project is an online archive for the Department of Queer Studies at Denison University.
- Designed and developed a responsive UI theme for the project website with PHP, CSS and JavaScript, using front-end libraries such as Bootstrap, Masonry, and JQuery, and back-end framework Omeka.
- Source code: https://github.com/Orpheusp/denison-expanding-archives-omeka-theme

China Gazeteer Project　　　　　　　　　　　　　　　　　　　　January 2015 - June 2015
- China Gazeteer Project is a large scale project to digitize economic data at Harvard's Yenching Library.
- Designed the visual identity for the project using Sketch, Illustrator, and Photoshop.
- Designed and implemented the project website using JavaScript, HTML, and CSS.
- Deployed the project website through Bitbucket with AWS and optimized its performance via Gzip and CDN.

SKILLS

Programming Skills: TypeScript, JavaScript, HTML, CSS, Python, C/C++, SQL, Dart, Objective-C
Programming Tools & Libraries: React, SASS, Storybook, Jasmine, Flutter, Git
Software: Sketch, Figma, Adobe Creative Suite, SPSS, Mathematica, Microsoft Office Suite
Language: English, Chinese (Mandarin and Cantonese)