HOWARD TSENG

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WORK EXPERIENCE

Full Stack Developer @ Engineering Outreach uOttawa
📅 Jan 2022 – Apr 2022   📍 Ottawa, ON, CA

- Developed several full-stack features with Angular, Typescript, PostgreSQL, Java Sling, Node, and Git used by hundreds of users
- Implemented the Custom Fields templates settings, allowing for easy management of custom fields in listings within the application
- Designed and implemented the Custom Fields feature in the Sign in application for quick visualization of participant custom fields information
- Reinforced skills in quality assurance and problem solving through writing unit tests, end-to-end tests, and implementing fixes for various technical issues in the front-end and back-end of the Outreach application

Technical Writer @ Engineering Outreach uOttawa
📅 Oct 2021 – Dec 2021   📍 Ottawa, ON, CA

- Delivered detailed technical documentation used by hundreds of users for the Outreach application
- Created documentation guidelines, defined style guides, and established templates for the technical documentation for consistency and quality
- Gained experience in writing quality technical documentation

Full Stack Developer @ Engineering Outreach uOttawa
📅 May 2021 – Aug 2021   📍 Ottawa, ON, CA

- Developed practical development skills by implementing various quality of life improvements to the Outreach application, enhancing the overall experience of the application
- Aided in overhauling several internal end-to-end tests by migrating them from Protractor to Cypress in the Outreach application
- Engaged in implementing fixes for various technical issues in the Outreach application using debugging tools
- Utilized the Agile project management system to work in an efficient manner independently and with the development team

Event Photographer @ New Life Gospel Church
📅 August 2019   📍 Toronto, ON, CA

- Utilized nearly 10 years of photography experience to create photo and video media to document the summer camp over the course of 3 weeks
- Photographed, Post-processed, and uploaded over 5000 high-quality images for social media promotions using Adobe Lightroom CC efficiently
- Produced three promotional videos for video slideshows every week and a video slideshow promoting the volunteers of the camp

MISCELLANEOUS EXPERIENCE

r/Taiwan r/place 2022 Contributions

- Spearheaded the initiative to lead thousands of community members in establishing several works of art representing Taiwan on Reddit's r/place 2022 canvas viewed internationally by millions of people
- Actively engaged in diplomacy with 30+ different communities on behalf of r/Taiwan for peaceful alliances and mutual protection
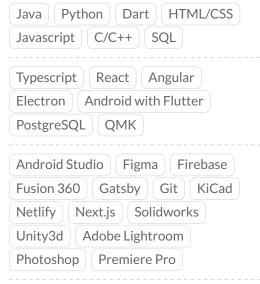
EDUCATION

BSc. with Honours in Computer Science CO-OP, 3rd year.
📅 2019 – 2023   📍 Ottawa, ON, CA

- Received admission bursary for >90% admission average.
- Consistently receives Merit Scholarship for CGPA > 8.5 (10 scale).

SKILLS & LANGUAGES

Java   Python   Dart   HTML/CSS
Javascript   C/C++   SQL

Typescript   React   Angular
Electron   Android with Flutter
PostgreSQL   QMK

Android Studio   Figma   Firebase
Fusion 360   Gatsby   Git   KiCad
Netlify   Next.js   Solidworks
Unity3d   Adobe Lightroom
Photoshop   Premiere Pro

English   ●●●●●
Taiwanese Mandarin   ●●○○○
Japanese   ●●○○○

PROJECTS

Keyboard PCB Designs
📅 2021-2022

- Conceptualized, prototyped, and sold multiple keyboard PCB designs
- Learned to use KiCad and Fusion 360 for design, and QMK/Vial for firmware programming

Shopify UX Challenge
📅 2021

- Used React, Styled Components, and Framer Motion to create an app meeting the requirements for the UX Developer Intern Web Developer Intern Challenge Summer 2021

Zoom Delivery
📅 2020

- Designed and implemented a mobile application for managing deliveries for local businesses using Flutter and Firebase during uOttaHack 3