

HOWARD TSENG

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WORK EXPERIENCE

Co-Op/Intern Developer, Clients, Front End @ Kinaxis

Sep 2022 – Dec 2022 Kanata, Ottawa, ON, CA

- Developed high quality Typescript and React code for the RapidResponse web client used by Fortune 500 companies like Ford, Cisco, and Qualcomm
- Enhanced product quality by fixing bugs, writing tests, and improving product performance for the Resource Management and Forms component of the application
- Collaborated with the QA team to address several accessibility issues with the RapidResponse web client
- Participated in the Kinaxis Hackathon 2022 and won the Best Video award against 80+ teams internationally as a team of interns.

Full Stack Developer @ Engineering Outreach uOttawa

Jan 2022 – Aug 2022 (Coop, Part Time) 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

MISCELLANEOUS EXPERIENCE

r/Taiwan r/place 2022 Contributions

- Spearheaded the initiative to lead thousands of international 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 the r/Taiwan community for peaceful alliances and mutual protection

EDUCATION

BSc. with Honours in Computer Science CO-OP, 4th year.

2019 – 2023 Ottawa, ON, CA

- Received admission bursary for >90% admission average.
- Current CGPA: 9.25 (10 scale)

SKILLS & LANGUAGES

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

Typescript React Angular
Electron Android with Flutter
PostgreSQL QMK MongoDB

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

English
Taiwanese Mandarin
Japanese



PROJECTS

Personal Website

2021 – Present

- Actively maintain portfolio website for displaying over 10 years of photography experience
- Developed management software for desktop and mobile for managing the website content

Bandori Score API & Discord Bot

2022 – Present

- Used Python, MongoDB, and Discord.py to interpret, store, and generate statistics on scores from screenshots of the game BanG Dream!
- Utilized the Agile project management system to work efficiently on features and releases

Keyboard PCB Designs

2021-2022

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