JERRY YUAN CHEN

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EDUCATION

University of Western Ontario — Class of 2020
- BSc Major in Computer Science, Minor in General English
- Relevant Courses: Networks, Analysis of Algorithms, Operating Systems, Software Engineering

WORK EXPERIENCE

Microsoft — *Software Developer Garage Intern* — Summer 2018
- Created a HoloLens mixed-reality app to visualize cancer cells in 3D to accelerate research for BC Cancer
- Designed, developed, and delivered core features in 16 weeks using Unity and C# in MVVM architecture
- Worked with coaches, designers, and PMs in our team of six to plan for sprints and ensure code quality

Human eSources — *Software Developer Intern* — Summer 2017
- Improved app stability by resolving majority of reported bugs through the PHP Symfony framework in preparation for a major release
- Automated regression tests using Selenium to accelerate testing workflow by 6 dev-hours per release

BGNlab (Wilfrid Laurier University) — *Research Assistant* — Summer 2016
- Rapidly prototyped two games over 12 weeks to study impact on player behavior towards climate change, sponsored by Ontario's Ministry of Environment and Climate Change
- Led interface and minigame development and build/deployment process in Construct 2, XML, and JavaScript

Cross Now — *Software Developer Intern* — Summer 2016
- Brought app from conception to development, QA, and finally launch in 4 months using Ionic Framework
- Developed and tested key features such as instant messaging and login flow in a hybrid-app environment for both Android and iOS platforms

TECHNICAL EXPERIENCE

Threeway Freeway, *UofTHacks V Winner of 'Best Game' by Ubisoft* — *Godot*
- Designed initial concept and wrote UI and beat-system for 3-Person local multiplayer rhythm game

Bloom, *HackWestern4 Winner of 'Best Web Game' by Big Viking Games* — *BabylonJS, Express, socket.io*
- Designed core gameplay and wrote server-side logic using Express and socket.io for an online gardening game with real-time weather

Capacity — *VueJS, Express, MongoDB*
- Developed the VueJS front-end, including Google Places API integration, for website to allow users to report and view capacities of various venues in London

LEADERSHIP EXPERIENCE

Western Founders Network — *Education Executive* — 2016 – 2017
- Planned and guided tutorials for other students on Shopify stores, website building, and JavaScript

Nspire Web Development Team — *Student Developer* — 2016 – 2017
- Collaborated with other students to implement a web system to host Nspire's web presence and event pages

SKILLS & INTERESTS

Frameworks/Libraries: AngularJS, VueJS, Express, Ionic, D3, Bootstrap, Bulma, Symfony, Selenium
Technical Languages: JavaScript, HTML/CSS, Python, Java, PHP, C#
Tools/Platforms: Git, Unity, Unix, Construct 2
Interests: Generative art, musicals, illustration, crocheting, enamel pin collecting