Charmaine Wang
Systems Design Engineering

📱 647–760–9601
✉ c443wang@edu.uwaterloo.ca
🌐 www.charmainewang.ca
Bē Charmaine Wang

SUMMARY OF QUALIFICATIONS

Development: JavaScript, CSS, HTML, JQuery, SQL, C#, C++, Java
Design: Sketch, Illustrator, Photoshop, User Personas, Prototyping, InDesign, Experience Design, SolidWorks, iMovie
Tools: Bootstrap, Eclipse, Docker, SolidWorks, Robot Framework, Linux, Toad, Git, Microsoft Office, MS Visual Studios
Skills: Agile Development, Adaptability, Creativity, Self-learning, Teamwork, Communication, Initiative

EXPERIENCES

Programmer Analyst | TELUS Health
Jan '17 - Apr '17

CICD Research and Development
- Developed and compared microservices running on different servers (Node.js, Tomcat, Pippo, Spring Boot) for optimum compatibility in pipeline
- Created Docker images and containers to improve the pipeline scalability and solve microservice deployment issues
- Established, developed, and validated testing methods for existing web apps using Robot Framework and Selenium2Library

AWS Research and Development
- Performed database migration from Oracle to Amazon Aurora to have data stored in a cloud based database
- Developed PoC for Amazon Schema Conversion Tool usage for future AWS use

Marketing and Media Director | University of Waterloo
Present

Engineering Society Directorship
- Centralize advertising and create an effective advertising plan between events to increase student interaction
- Revamped "ENG HACK" logo and designed print media
- Use creative vision to communicate event ideas for event promotion and student focused activities through campus ads

Music Executive | Lorne Park Secondary School
Sept '14 - Jun '16

Publicity Head
- Created 10+ program covers, posters, and banners to promote the school's concerts and musical events
- Fundraised over $200 through school's music apparel design and sales

Summer Camp Volunteer | Saga Day Camp
Jul '12 - Aug '16

- Devoted 700+ hours of community service by leading, supporting and creating a welcoming atmosphere for children ages 5 - 10
- Developed communication skills and problem solving through interactions with other leaders and parents to provide uplifting experiences for all

EDUCATION

Systems Design Engineering
Sep '17- Present
University of Waterloo - Digital Design (Circuits), Human Factors in Design (Ergonomic Studies)

PROJECTS

Personal Website
Present
- Applied HTML, CSS, and JQuery for personal website

ElectroGO
May '17
- Prototyped an electric vehicle companion app for Waterloo Engineering Competition

Logo Design
Aug '16
- Designed a logo for Horizon Sun Holdings Inc. branding
- Exceeded customer's expectations to improve market presence through brand recognition

Snapchat Geofilter
Jun '16
- Produced 2 geofilters, which are used daily by approximately 600 high school students

Balance Improvement Board
Dec '16
- Defined design process to create an adjustable exercising platform for quadriceps toning
- Refined design iterations and prototypes through user testing

INTERESTS

- Graphic Design
- Fitness
- Cooking and Baking
- Travelling