

Joyce Chen

Mechatronics Engineering

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EXPERIENCE

Mobile Game UI Designer and Illustrator Sept - Dec 2021

Salutation Studio | Waterloo, ON

- Led creative visions and defined the artistic style for the start-up company as the first main designer, completed individual tasks with a high degree of efficiency in a flexible work schedule
- Conceptualized and illustrated fantastic character splash art, icons, and logos used for advertisement and in game assets
- Actively involved in the game development process, working in a small team of programmers to complete 10 projects

UX Analyst and Web Designer

Jan - Apr 2021

Ontario Institute for Cancer Research | Toronto, ON

- Created user scenarios, designed site maps, theming guides, wireframes, and mock ups for multiple websites with Omnigraffle, Sketchup, Adobe creative tools, and Github
- Colead a design process for a new website from scratch in two months for stakeholders
- Engaged directly with stakeholders to discuss and implement solutions for design problems with team

Formula Motorsports Team Member

Jan 2022 - Present

University of Waterloo Student Design Team | Waterloo, ON

- Trained in machine shop safety
- Will be assisting in assembling and machining parts for the chassis of a small formula-style race car for the Formula SAE design series competition in May

President of Visual Arts Council

Sept 2019 - Jun 2020

Earl Haig Secondary School | North York, ON

- Actively worked towards promoting visual arts in the community by leading a council of 45 members in fundraisers, murals, and creative projects monthly
- Developed leadership, organization and time management skills

Editor in Chief of Yearbook

Aug 2018 - Jun 2020

Earl Haig Secondary School | North York, ON

- Efficiently organized and ran meetings, directed photo shoots, designed pages with Adobe software
- Communicated with publisher and staff on a regular basis and diligently oversaw a completely student-run committee of over 30 members to create a yearbook

PROJECTS

3D Printed Cell Phone Stand

2020

- Designed a 3D printed multipart assembly in SolidWorks to simplify hands-free phone usage
- Used problem solving and lateral thinking while staying within the constraints and optimizing the criteria

Ropebreak Dynamometer

2020

- Sourced materials: modified USB cable, brushless 5V DC Motor, alligator clips, elastic band, cardboard, string
- Built dynamometer to measured the torque and speed of a 5V DC brushless motor for various masses applied

SKILLS

CAD

AutoCAD, SOLIDWORKS, learning Blender, GD&T

Languages and Tools

C++, HTML, CSS, Sass, Bootstrap, Git

Product Development

Mockups, Wireframes, Iterations, Prototyping, Brand Identity

Digital Design

Photoshop, Illustrator, Lightroom, Premiere Pro, Omnigraffle, Invision, Clip Studio Paint

Soft Skills

Creativity, self-learning, leadership, communication, problem solving

ACHIEVEMENTS

Excellent Academic Standing

Fall 2020 and Spring 2021

UWaterloo Mechanical Engineering

Dean's Honours List Fall 2020

Catherine Sinclair Bratty Visual Arts Scholarship June 2020

For developing artistic vision through hard work and practice along with a strong academic achievement

EDUCATION

Candidate for Bachelors of Applied Science, Honours Mechatronics Engineering

University of Waterloo
Waterloo, ON | 2025

Visual Arts Major, Claude Watson Arts Program

Earl Haig Secondary School
Toronto, ON | 2020