Christopher Louie

Programmer | Web Designer | Game Designer

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PROFILE

I am a Interactive Arts and Technology student with a background in interactive technology, game design, and web design. I am especially interested in visual design and programming. My work focuses on finding creative, interesting ways that function and visual design can be combined. In my spare time, I enjoy playing video games, music production, playing the piano, and watching sports.

EDUCATION

SFU   Sept. 2016 - Present

BSc. Interactive Arts and Technology
Interactive Systems Concentration

SKILLS

Web

HTML5	CSS3	
PHP	MySQLi	
JavaScript	jQuery	
Ajax		

Programming

Java Processing
Arduino
Java for Android
Python

Design

Photoshop	Illustrator
After Effects	Premiere
InDesign	Maya

Other

Sketchup
Solidworks
Inventor
Ableton Live

8 years experience working with HTML, CSS, and JavaScript. 5 years experience with Photoshop and Illustrator.

WEB DESIGN EXPERIENCE

Programmer, UI Designer (E-commerce Company Website Prototype)   Feb. - Mar. 2019
School Project (Team) - Front-End Web Design

ROLE
- Used flexboxes to create a responsive design, allowing the website to fit various device screen sizes.
- Designed and coded the product listings, detailed product view, and checkout form/cart pages.
- Coded the JavaScript for the mobile layout's hamburger menu to allow it to expand and collapse.
- Designed the overall style of the website.

TOOLS & SKILLS
- HTML5, CSS3, JavaScript

Programmer (NHL Stats Almanac: A PHP Web App)   Oct. - Dec. 2018
School Project (Team) - Back-End Web Design

ROLE
- Designed the player, team, player stats, and team stats tables in the database to store the stats from the NHL API.
- Created the MySQLi queries and prepared statements to update and insert new data into the database in real time.
- Designed filters using Ajax for the player and team searches, enabling users to perform more detailed searches.
- Used PHP API calls to retrieve the data from the NHL API.

TOOLS & SKILLS
- HTML5, CSS3, PHP, MySQLi, Ajax
- XAMPP, phpMyAdmin

GAME DESIGN EXPERIENCE

Co-Project Manager, Game Designer (Ticket to Ride Board Game)   Mar. 2018 - Apr. 2018
School Project (Team) - Game Design

ROLE
- Worked as co-project manager to manage team progress.
- Created the game map layout concept.
- Designed the abilities of the power-ups and action cards that allow players to perform special action or sabotage other players, making the game more fun and interesting.

TOOLS & SKILLS
- Photoshop, Illustrator
- Clear communication and collaboration with team members.

Programmer, Game/Level Designer (Exiled Rising: Java Processing RPG game)   March 2018 - April 2018
School Project (Individual) - Game Programming

ROLE
- Created custom maps using Photoshop.
- Developed a linear questline to help players progress through the game.
- Stored the map loading zones and sign data using CSV files.
- Created a togglable overlay to show the current quest.

TOOLS & SKILLS
- Photoshop, Java Processing

LEADERSHIP EXPERIENCE

Frosh Leader (SIAT Frosh 2018, SIAT Frosh 2019)   Sept. 2018, Sept. 2019
Volunteer

ROLE
- Lead a group of 5 students during the 2 day event.
- Welcomed first-year students to the program
- Answered questions the students had about the program.
- Helped lead and engage the students by participating in the games and activities.

Setup, Directional, Counting (XDS 2018, XDS 2019)   Sept. 2018, Sept. 2019
Volunteer

ROLE
- Assisted with the setup of the main stage seating and signage towers.
- Counted attendance at the main stage during several talks.
- Assisted as mic runner for the Q&A sessions during several talks.
- Helped attendees find rooms during the event.

HOBBIES

Gaming
Enjoy playing video games that include strategic planning and expressions creativity. Current favourite games include Oxygen Not Included and Magic: The Gathering Arena.

Music Production
Self-taught music producer that enjoys producing all genres of music for fun, especially techno-pop, jazz, and lo-fi hip-hop.

Playing Piano
Classically trained pianist playing since 5 years old. Current favourite genres to play are pop and video game music.

Watching Sports
Enjoy watching several different professional sports, particularly hockey, baseball, and basketball.