

James Yoo *Software Developer*

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PROFILE

Highly motivated creative software developer and user-interface designer with a goal to provide and create positive user experience web solutions. Skilled in developing web-based applications, designing, and prototyping.

TECHNICAL/DESIGN SKILLS

- | | | | |
|------------|---------------------|---------------|--------------|
| • HTML/CSS | • JavaScript/jQuery | • PHP | • MySQL |
| • React.js | • C++ | • SCSS/SASS | • Bootstrap |
| • Git | • Java | • Node.js | • Express.js |
| • Python | • Typescript | • TailwindCSS | • MongoDB |

DEVELOPMENT EXPERIENCES

Full-Stack Developer

May - Present

Homestay Canada (Personal Project)

- Developed a customized website connecting homeowners with individuals seeking homestay opportunities.
- Implemented a custom headless CMS architecture to empower admins with complete control over content management.
- Utilized Next.js, SCSS, Express.js, and MongoDB as the database for efficient data management and retrieval.
- Ensured seamless task tracking and organization for enhanced user experience.

Full-Stack Developer

March - Present

Headless CMS Portfolio (Personal Project)

- Created a custom headless CMS for my beta portfolio version, enabling seamless editing and management of content and images through the "/admin" interface using NextJS and Firebase.
- Utilized backend access to make real-time updates, add new projects, modify descriptions, and update visuals with ease.

Java Developer and Researcher

March - April 2023

Bridging the Past and Present: Image Impressionism (Academic Project)

- Developed and implemented an application for image-manipulation inspired by a research article on impressionistic techniques in image processing using Java.
- Enabled users to input a source image and control various parameters to transform the images using user-interface elements.
- Resulted in a successful project that allowed users to explore their creativity and experiment with image manipulation in a fun and intuitive way.

Front-End Web Developer

August - December 2022

Brixwork Real Estate Marketing (Co-op position)

- Developed websites from the approved template visuals and custom code modules that are browser compatible and mobile-first responsive.
- Developed and maintained clients websites at the root cPanel levels by creating AWS S3 backup, enabled SSL certificates by meeting the SSL protocols, and other maintenance levels.
- Initiated and developed the core template from PHP version 7.3 to 8.1 by debugging codes that were deprecated in the previous version and documented changes to improve security support, prevent

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from security vulnerabilities and take advantage of the performance enhancement in the latest PHP version.

- Pointed the clients DNS record to the company A record so it can be managed at the root level.

Full-Stack Developer

Nov – Dec 2021

World Institution Database (Academic Project)

- Collaborated in a team of two to make a functional web application that allows users to browse a list of institutions around the world to filter and comment.
- Coded a fully functional web application, implemented with a MySQL database to store, retrieve and record updates.
- Built positive interaction and processed databases using HTML, CSS, jQuery, PHP and MySQL.

Mobile Developer

Feb – Apr 2021

GeoMemories (Academic Project)

- Developed and designed a functional Java application that allows users to capture memories by pinning geographical locations along with posts.
- Programmed an ambient temperature sensor to translate temperature into dynamic background colors depending on the temperature, and implemented camera functionality and store in local storage which can be viewed as a list as a thumbnail and acts as a CTA button which displays more information about the captured memories on that day.
- Developed an account registration portal with data stored locally and used for password validation

Visual Analyst

Feb – Apr 2021

Educational Visual Analytics (Academic Project)

- Independently designed and implemented an interactive visualization for multidimensional data using ObservableHQ and D3JS (Visualization Library).
- Implemented two datasets to analyze how parental level of education and income impacts students academic performance and graduation rate.

WORK EXPERIENCES

Club Fitter and Sales Associate

Oct 2018 - Aug 2022

GolfTown Coquitlam

- Managed multiple priorities at once and maintained a high level of customer service using strong communication and interpersonal skills.

Teaching Assistant - Software Tutor

Oct – Dec 2021

Fraser International College

- Administered weekly labs to a class of 25+ students, providing instruction for using Adobe software such as Illustrator and InDesign

Program Facilitator

Feb - May 2020

Media Minds

- Collaborated with program facilitators and volunteer supervisor to facilitate a classroom of 25 students from grade 5 to 7 to assist with the weekly activities to promote creativity, and positive social connections through film education.

EDUCATION

Simon Fraser University

Expected Graduation: April 2024

- BSc. in Interactive Arts and Technology - Interactive Systems Concentration