

# James Yoo Software Developer

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## EDUCATION

**Simon Fraser University, BSc, Concentration in Interactive Systems** *Expected Graduation: August 2024*

- **Programming Coursework:** Object-Oriented Programming, Discrete Mathematics, Algorithms, Software Designs and Implementation, Database Systems, Full-Stack Development
- **Design Coursework:** HCI and Cognition, Advanced HCI, Information Design, Interaction Design Methods, User Experience Design, Design Evaluation

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, TypeScript, PHP, C++

**Web Development:** HTML5, CSS/SASS, jQuery, ReactJS, NextJS, TailwindCSS, Bootstrap, MUI

**Database:** NodeJS, ExpressJS, MongoDB, MySQL, Firebase, NoSQL, DynamoDB

**Development Tools:** Git, Postman, Figma, Zeplin, Asana

## TECHNICAL WORK EXPERIENCES

### Full-Stack Engineer

*Nov 2023 - Present*

Bridgemark Advisors Ltd. | NodeJS, ExpressJS, TypeScript, MongoDB, Jest, Postman

- Developed and designed a scalable RESTful API to improve system efficiency and response times.
- Implemented secure API gateway endpoints with Keycloak authentication measures to ensure data integrity and security to decrease potential security vulnerability.
- Used Jest to create comprehensive tests for ensuring the reliability and functionality of the API
- Utilized MongoDB for efficient management in the backend to enhance data retrieval and storage capabilities, leading to increase in overall database performance.
- Integrated AWS S3 and AWS SNS to enhance data storage and communication capabilities to enhance data storage and real-time communication.
- Employed agile methodology, and utilized weekly sprints to ensure project milestones.

### Indie Game Developer

*Aug - Oct 2023*

CodeCanvas | Unity, C#, HTML5, JavaScript

- Developed an engaging educational game using Unity and C#.
- Optimized gameplay, content, and features for an enhanced user experience.

### Full-Stack Developer

*May - July 2023*

Homestay Canada (Freelance) | NextJS, SCSS, ExpressJS and MongoDB

- Developed and designed a user-friendly, end-to-end solution connecting homeowners with potential homestay seekers, effectively meeting the rising demand for a homestay matchmaking platform.
- Implemented a REST API for real-time content updates and integrated headless CMS efficient content management.
- Enhanced user satisfaction with advanced filtering options for homestay selection.

### Front-End Web Developer

*August - December 2022*

Brixwork Real Estate Marketing (Co-op) | HTML, SCSS, PHP, and jQuery

- Developed browser-compatible, mobile-first websites from the approved templates, incorporating custom code modules.
- Managed clients' sites at the root cPanel level, AWS S3 backup, SSL certificates, and led migration to PHP 8.1 for improved security and performance.

## PROJECT EXPERIENCE

### Full-Stack Developer

*Nov - Dec 2021*

World Institution Database (Academic Project) | HTML, Bootstrap, CSS, jQuery, and PHP

- Collaborated in a team to build a functional web application with MySQL database integration, enabling users to browse, filter, and comment on institutions worldwide.

### Java Developer and Researcher

*March - April 2023*

(Academic Project) | Java

- Integrated a research article implementation using Java to create an impressionistic technique, allowing users to control various parameters for image transformation.