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   *Oct 2023 - Present*
Bridgemark Advisors Ltd. | NodeJS, TypeScript, MongoDB, Jest, Postman, Keycloak and Docker
- 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.
- 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 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.
- 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   *Aug - Dec 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, PHP and MySQL
- 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   *Mar - Apr 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.