

# Steven Shao

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## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, HTML/CSS, Java, GraphQL, Python, SQL

**Frameworks:** React, NodeJS, Tailwind CSS, Ajv JSON Validator, Jest, Cypress, JUnit, ExpressJS

**Libraries:** React Router, Redux, Chakra UI

**Developer Tools:** AWS, Git, VS Code, IntelliJ, Jira, Bitbucket

## EXPERIENCE

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### Software Developer

May 2022 – Dec 2022

*Ensemble Systems*

*Richmond, BC*

- Improved the company's website user experience by implementing a responsive portfolio page using React, React Router, and Redux.
- Reduced company website load times by 30% by serving images in webp format.
- Led development for a multimedia player using React, Chakra UI Library, and NodeJS.
- Automated file upload to AWS S3 and cache invalidation with AWS Cloudfront by designing an execution script using NodeJS, coordinating with the DevOps team.
- Took initiative in researching and creating a proposal to implement OAuth authentication with AWS Cognito, successfully incorporating the prototype into the MVP release.
- Wrote unit, integration, and E2E tests with Jest and Cypress, achieving 90% code coverage.
- Maintained a mock API to be used during development of media apps using NodeJS, ExpressJS, and GraphQL.

### Development Support

June 2020 – Sept 2020

*Electronic Arts*

*Burnaby, BC*

- Performed ad-hoc, accessibility, destructive, stability, shelf, alpha/beta checklist testing, regression, and followed up on NMI tickets.
- Led teams of up to 22 testers to perform stability testing.
- Prioritized concise communication with the QA and development teams, ensuring bugs were logged and resolved.
- Reproduced and followed up on older tickets, resulting in over 80% additionally resolved.
- Wrote cohesive bug reports, attended meetings with other project teams, and monitored team channels for communication.

## EDUCATION

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### University of British Columbia

Sept. 2020 – Apr 2025

*Bachelor of Science in Computer Science*

*Vancouver, BC*

- Academics:** 4.1/4.33 Cumulative GPA
- Scholarships:** University of British Columbia Tuum Est Award, BC Achievement Scholarship

## PROJECTS

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### Personal Website | TypeScript, React, Tailwind CSS

May 2023 – Present

- Supports all major browsers and mobile resolutions.

### Database Management System | SQL, JavaScript, HTML, CSS

Jan 2023 – April 2023

- Supports CRUD Operations
- Entities were normalized using BCNF decomposition

### Wikipedia Mediator | Java, JUnit, Gson

Jan 2021 – Apr 2021

- Thread-Safe Server-based tool to process different analytics.
- Used the JWiki API to implement a class to handle multiple concurrent requests to the Wikipedia API.
- Parsed and Logged JSON files using the Gson library to ultimately host a server.
- Tested with Gradle and JUnit to achieve 95% code coverage.
- Computes shortest path between two Wikipedia pages.

## ACTIVITIES AND LEADERSHIP

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**UBC Current:** Competitive Dragonboat team based from UBC.

**HillHouse Education:** Organized one-on-one private lessons and group lessons of up to three students.