

LUCAS SONG

🌐 LucasSong | 🐙 Lucas-Song-Dev | 🌐 Lucas02-Song | ☎ 1.403.988.6881 | ✉ Lucas02.Song@gmail.com

TECHNICAL SKILLS

Languages: JavaScript, HTML5 & CSS3, Java, Python, C, C++

Frameworks: React, Node.js, Express (RESTful APIs), Redux, GraphQL

Tools: Docker, Kubernetes, Jenkins, MongoDB, Heroku, Git, Jira, Zenhub, Selenium, AWS

Hobbies/Interests: Skiing, Golf, Swimming, Piano, Cooking

PROFESSIONAL EXPERIENCE

IBM - Software Developer Intern | *React, HTML5 & CSS3, Python*

Jan - Aug 2024

Developed 15+ features to enhance IT performance visibility, improving AI automation

Designed an upgraded filter selection system for 600k+ alerts, enhancing customer efficiency

Created training decks and presented to 100's of client and internal stakeholder attendees

Built an internal Python tool to replay specific product API calls, cutting bug reproduction time by 30%

IBM - Front-End Developer Intern | *React, HTML&CSS, Node.js, Redux*

Sep - Dec 2023

Maintained and optimized AI IT operations dashboards for performance improvements

Collaborated with a 5-person global team across design, QA, and backend engineering

Integrated 20+ React components with RESTful and GraphQL APIs

Refactored React hooks, reducing unnecessary renders on effected pages by up to 50%

IBM - Quality Assurance Intern | *Zenhub, Python, Jira, Nightwatch, Selenium, Jenkins*

May - Aug 2023

Rebuilt a 2-year-old end-to-end (e2e) testing pipeline using Nightwatch, Selenium and JS

Logged and resolved 100+ issues via Zenhub and Jira, streamlining development

Benchmarked backend performance of new features before production releases

Automated e2e test creation, reducing test failure rate on new release by 50%

PROJECTS

ASSET AI | *React, JS, HTML5 & CSS3, MongoDB, Node.js/Express, Heroku*

Built a full-stack AI-powered asset generator to enhance digital communication

Integrated OpenAI's ChatGPT & DALL-E to generate personalized emojis and assets

Developed a high-performance backend in Express, handling API requests with custom socket programming

Implemented MongoDB integration using libmongoc, ensuring efficient data storage and retrieval

Pathfinding Visualizer | *React, JS, HTML5 & CSS3*

Implemented interactive visualizations of Dijkstra and A* pathfinding algorithms

Designed a grid-based UI for improved UX across multiple screen sizes

Applied CSS animations to smoothly transition project elements into a personal website

EDUCATION

The University of British Columbia

Expected 2026

Bachelor's Degree in Applied Science, Computer Engineering

Coursework: Software Construction, Computer Hardware, Data Structures and Algorithms, Math Proofs, Linear Algebra