

LUCAS SONG

🌐 LucasSong | 🐙 Lucas-Song-Dev | 🌐 in/Lucas01-Song | 📞 1.403.988.6881 | ✉️ Lucas02.Song@gmail.com

TECHNICAL SKILLS

Languages: JavaScript, HTML5 & CSS3, Java, Python, SQL

Tools/Frameworks: React, Node/Express (RESTful API's), Jenkins, GraphQL, MongoDB, Heroku, Git, Jira

PROFESSIONAL EXPERIENCE

IBM - Software Developer Intern | *React, HTML5 & CSS3, Figma, PowerPoint, Python* Jan - Aug 2024

- Worked alongside design, sales, and QA teams to develop **10s of features** to improve visibility in performance data to transform IT operations embracing **AI automation in an 8-person team**.
- Designed and implemented custom upgraded filter selection for 600k+ alerts
- Created decks and performed client presentations and training for **100s of attendees**.
- Developed **an internal tool with Python** to extract, record, and replay example API calls for development environments to mimic specific real-world client data reducing **bug reproduction time by up to 30%**.

IBM - Front-End Developer Intern | *React, Node.js, Redux, HTML&CSS, Git* Sep - Dec 2023

- Conducted routine maintenance on multiple **AI IT operations dashboards**
- Collaborated with a cross-functional team of **5** across different time zones in design, QA, and backend.
- Installed 20+ components using React, HTML5 & CSS3 interacting with RESTful and GraphQL APIS
- Refactored and optimized hooks to lessen unnecessary component renders by up to **50%**

IBM - Quality Assurance Intern | *Zenhub, Jira, Nightwatch, Selenium, Jenkins* May - Aug 2023

- Rebuilt a 2-year-old e2e testing pipeline using Nightwatch on a Selenium server.
- Generated and closed **100s of issues** using Zenhub and Jira
- Worked with backend teams to **benchmark the performance** of new features in release branches
- Developed **internal tooling to automate** the creation of new e2e tests by recording the actions of users on multiple different devices and browsers reducing developer frustration and

PROJECTS

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

- Developed a full-stack asset generator that enhances emotional expression in text messaging, bridging the gap created by digital communication by visually representing users' emotions.
- Leveraged OpenAI's ChatGPT and DALL-E to create profiles, emojis and accurate visualizations of emotions
- Stored user and post data on MongoDB and built API routing in Node and Express
- Built website in React.js and composed responsiveness using tailwind and CSS

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

- Engineered a user-friendly and visually engaging application of Dijkstra and A* algorithms to find the shortest path between nodes, incorporating CSS animations to enhance the user experience.
- Enhanced user experience by designing responsive grid layouts to handle multiple display sizes
- Transformed application nodes to smoothly transition into personal website using CSS animations

EDUCATION

The University of British Columbia

Anticipated 2026

Bachelor's Degree in Applied Science, Computer Engineering

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