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| Software Engineer in Test | Electronic Arts Inc. | Mar 2020 – Present |
| <ul style="list-style-type: none">• Developed maintainable and scalable automated tests for both REST and GraphQL based APIs using TypeScript and modern JavaScript testing libraries• Used New Relic and Kibana to monitor and address production issues using queries and dashboards• Contributed in developing and maintaining an in-house testing framework based on Jasmine and Webdriver.io to facilitate automation testing across three different scrum teams• Implemented a payload generator to generate test data dynamically, reducing code duplication by 30% | | |
| QA Test Engineer | Vipre Security | Sep 2019 – Mar 2020 |
| <ul style="list-style-type: none">• Contributed in the conception of a new branching strategy for test automation that allows efficient regression and smoke testing, minimizing the number of manual tests needed• Developed an automation template generator for quick generation of automated integration and end-to-end tests using Golang, reducing development time of new automation suites for new projects | | |
| Software Developer Co-op | BCAA | Sep 2018 – Apr 2019 |
| <ul style="list-style-type: none">• Integrated APIs developed by the back-end team to the front-end using .NET and JavaScript• Contributed in regular standups, backlog refinements, and retrospectives• Implemented custom web components that allow for efficient reuse using JavaScript and Handlebars | | |

- Libra**github.com/dsawali/libra

 - Designed and developed an extensive API using **Express.js** and **MongoDB** that allows users to buy and sell stocks through Discord text commands
 - Implemented a cache database to reduce the requests needed to a third-party API as a cost saving measure when the product is deployed
 - Put extensive focus on automation testing using **Jasmine**, **Mocha**, and **Chai**

Recommendation Modelgithub.com/dsawali/anime_reco

 - Developed an anime recommendation model using **Pandas** and **Scikit-learn** in **Python** that returns a list of recommendations using K-nearest neighbour algorithm with 62% accuracy
 - Performed ETL (Extract, Transform, Load) on data from MyAnimeList.com before it is ingested by the model

- Languages: JavaScript ES6, TypeScript, Python, Go, C#, Java, C, C++, HTML/CSS, SQL
- Frameworks: Node.js, React.js, Express.js, Selenium, Jasmine, Mocha/Chai
- Tools: Git, MySQL, MongoDB, GraphQL, Jenkins, Docker, Kafka, CI/CD

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| Burnaby, BC | Simon Fraser University | May 2015 – Apr 2019 |
| <ul style="list-style-type: none"> • BSc in Computing Science; Graduated with Co-op | | |