Lian **Duan**

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Education

University of British Columbia   *Vancouver, British Columbia, Canada*

BACHELOR OF SCIENCE   *Sept. 2017 - Exp. Aug. 2022*

3.2 GPA - Department of Computer Science

Skills

Programming Languages	TypeScript, JavaScript, SQL, PHP, Java
Frameworks / Libraries	Node.js, Express.js, Vue.js, Oauth2.0, Sequelize, jQuery, ImageMagick, CodeIgniter
Technical Tools	Git, Jira, Brew
Testing	Mocha, Nightwatch, Swagger, PostMan
Environments	Visual Studio Code, WebStorm, Intellij IDEA, MacOS, Windows

Work Experience

FORM Athletica   *Vancouver, Canada*

COOPERATIVE WEB SOFTWARE DEVELOPER   *May. 2020 - Sept 2020*

- Developed software in an Agile environment using a Node.JS and MySQL stack hosted on AWS
- Worked with Sequelize, Oauth2.0 and Express.JS to write back-end code and API endpoints utilized by the website and mobile apps
- Implemented the back end endpoints and database tables required to create features such as featured user highlighting and verified professional user badges
- Wrote internal AWS lambda functions and routers which triggered staff notification emails on firmware update to production

LedgerDocs   *Vancouver, Canada*

COOPERATIVE WEB APPLICATIONS DEVELOPER   *September. 2019 - April 2020*

- Developed software in an Agile environment using a PHP, JQuery, MySQL and Apache hosted on an Amazon EC2 instance
- Implemented a Database Job Queue system which resolved critical issues regarding high CPU consumption during peak processing hours
- Designed and implemented the front and back-end of an Optical Character Recognition (OCR) system using Google Tesseract responsible for processing over thirty thousand user documents per annual quarter
- Proposed and prototyped a Twilio Client and REST API that allows for communication with the web platform through SMS text using Node.JS with Ngrok.io, Express.JS and Twilio NPM Modules

Project Highlights

SageBot.js   *TypeScript*

HTTPS://GITHUB.COM/LIAN-D/SAGEBOT.JS   *Sept. 2019 - current*

- Lead the development of a boilerplate Discord Chat Bot using a Node.JS backend
- Implemented a wide variety of features such as chat commands and user polling functionality
- Used Travis CL to test build status and Github for version control
- Deployed on a Heroku pipeline currently used in Discord Servers

Aqueduct   *JavaScript (Node.js) + MongoDB*

HTTPS://GITHUB.COM/DHRUV-TECH/AQUEDUCT   *Jan 2020*

- Worked in a small team of 4 to create a text-based SMS internet browser using Twilio combined with a Node.js and MongoDB back-end
- Implemented features that utilized GET requests to retrieve data from various sources and compiled them into usable data-structures
- Deployed and hosted app on Google Cloud Services

Summary.js   *JavaScript*

HTTPS://GITHUB.COM/LIAN-D/SUMMARY.JS   *Dec. 2018 - Dec 2019*

- Developed a powerful lightweight library that returns summaries of articles for NPM and Web
- Implemented RAKE and Text-Rank Algorithms to score individual sentence strings
- Hosted demo through GitHub static pages

Uni-pass   *Java*

HTTPS://GITHUB.COM/LIAN-D/UNIPASS   *Sept. 2018 - Dec. 2018*

- Developed a password manager that encrypted passwords with PBE encrypted Hash sets to store, retrieve and manipulate login data
- Utilized JavaFx to create an interactive UI using Stages, ListViews, Inputs and Alerts