

# Lian Duan

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## Education

### University of British Columbia

BACHELOR OF SCIENCE

3.2 GPA - Department of Computer Science

Vancouver, British Columbia,  
Canada

Sept. 2017 - Exp. Aug. 2022

## Skills

<b>Programming Languages</b>	JavaScript, PHP, SQL, Java, C, C++
<b>Frameworks</b>	Node.JS, CodeIgniter, JavaFX
<b>Technical Tools</b>	Git, Express.JS, jQuery, Composer, Linux CL, Twilio, Maven, LaTeX
<b>Testing</b>	Postman, Junit, GDB, Valgrind
<b>Environments</b>	Visual Studio Code, IntelliJ IDEA, Android Studio, MacOS, Windows

## Work Experience

### LedgerDocs

COOPERATIVE WEB APPLICATIONS DEVELOPER

- Developed Software in an Agile environment using a LAMP (Linux, Apache, MySQL, PHP) stack hosted on an AWS EC2 instance
- Designed and implemented the front and back-end of an Optical Character Recognition (OCR) system using Google Tesseract deployed in the production code base and utilized by over 1500 active quarterly users
- 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

Vancouver, Canada

September. 2019 - April 2020

## Project Highlights

### Aqueduct

[HTTPS://GITHUB.COM/DHRUV-TECH/AQUEDUCT](https://github.com/DHRUV-TECH/AQUEDUCT)

- 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
- Deployed and hosted app on Google Cloud Services
- Demo available by texting 'what can you do?' to 604-243-0591

JavaScript (Node.js) + MongoDB

Jan 2020

### SageBot.js

[HTTPS://GITHUB.COM/LIAN-D/SAGEBOT.JS](https://github.com/LIAN-D/SAGEBOT.JS)

- Lead the development of a boilerplate Discord Chat Bot using a Node.JS backend
- Used Travis CL to test build status and Github for version control
- Deployed on a Heroku pipeline currently used in Discord Servers

JavaScript (Node.JS)

Sept. 2019 - current

### Summary.js

[HTTPS://GITHUB.COM/LIAN-D/SUMMARY.JS](https://github.com/LIAN-D/SUMMARY.JS)

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

JavaScript

Dec. 2018 - current

### Uni-pass

[HTTPS://GITHUB.COM/LIAN-D/UNIPASS](https://github.com/LIAN-D/UNIPASS)

- 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

Java

Sept. 2018 - Dec. 2018

## Hackathons

- 2020 **Participant**, NW hacks 2020
- 2019 **Participant**, LHD build day 2019
- 2019 **Participant**, NW hacks 2019

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