

# BENSON LIN

4TH YEAR, COMPUTER SCIENCE MAJOR

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## WORK EXPERIENCE

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**Software Development Engineer Intern** **September 2021 - December 2021**

*Amazon, Vancouver, BC*

- Designed and implemented automation as an alternative to a manual recharge process for past due invoices to lower manual effort and increase revenue
- Handled project ambiguity by meeting with relevant stakeholders to identify requirements and challenges that the project faces
- Deployed automation infrastructure and orchestration workflow using TypeScript and AWS CDK

**Site Reliability Engineer Co-op** **January 2021 - August 2021**

*Visier Inc., Vancouver, BC*

- Implemented a suite of end-to-end tests in Ruby that ran hourly against developer and production deployments through an ECS task
- Reduced monthly AWS costs by creating an automated job that deletes unused AMIs and EBS snapshots that are older than 30 days
- Utilized Terraform to tag AWS resources to enable the ability to filter resources for billing and monitoring purposes

**Software Development Engineer Intern** **September 2020 - December 2020**

*Amazon, Vancouver, BC*

- Designed and implemented a set of RESTful APIs backed by API Gateway and AWS Lambda that automates the trouble ticket resolution process
- Implemented logic to allow AWS Lambda to query databases such as DynamoDB, Elasticsearch and Redshift and to format a JSON response to serve to users
- Provisioned and deployed AWS resources using CloudFormation templates in YAML to serve as the infrastructure for the APIs
- Authored API proposal and design documents to highlight the use cases of the APIs and cost effectiveness of possible architectural solutions

**Undergraduate Teaching Assistant** **September 2019 - December 2019**

*University of British Columbia, Vancouver, BC*

- Held office hours and assisted with lectures to improve students' understanding of core Java concepts
- Coordinated labs to support students by providing feedback on assignments and personal projects

## EDUCATION

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**University of British Columbia, Vancouver**

**2018 - Present**

BSc, Major in Computer Science, 4th Year

## PROJECTS

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**Digital Walk-around**

**January - April 2022**

- Designed and implemented a fullstack application in a group setting according to specifications provided from a corporate sponsor to allow users within an organization to schedule Zoom calls and to view other users' meeting schedules

## TECHNICAL SKILLS

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**Programming**

Java, TypeScript, Python, Ruby, Bash, HTML/CSS, SQL

**Software & Tools**

IntelliJ, VS Code, Git, AWS, Docker, Terraform, Selenium, Unix

**References Available Upon Request**