

# Hyunuk Lim

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## Experience

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- Developer Relations Intern** | *Google, New York, NY, US* May 2022 – Present
- Writing a series of notebooks showing use cases of using Apache Spark on Google Cloud.
- Software Engineer Intern** | *Wealthsimple, Toronto, ON, Canada* Jan 2022 – Apr 2022
- Created a DAG that automates workflows using Apache Airflow to fetch data from Amazon Redshift to Google Sheet.
- Software Dev Engineer I Intern** | *Amazon, Vancouver, BC, Canada* Aug 2021 – Dec 2021
- Contributed to **OpenTelemetry**, the second most active Cloud Native Computing Foundation (CNCF) open-source project after only Kubernetes as one of the top 15% contributors.
  - Created a Helm Chart provides an end-to-end observability stack from **Elastic Kubernetes Service** to **CloudWatch Container Insights** using **AWS Distro for OpenTelemetry Collector** for metrics and **Fluent Bit** for logs.
- Agile Developer Intern** | *SAP, Vancouver, BC, Canada* Sep 2019 – Apr 2020
- Built testing environment on **VMs in GCP** and conducted automated regression tests for SAP Cloud for Analytics.
  - Monitored test results and investigated root cause analysis for regressions on response time and HTTP requests.
  - Implemented **Jenkins pipeline** script using **Groovy** and **bash** to help to monitor hundreds of daily commits.
- Teaching Assistant** | *University of British Columbia, Vancouver, BC, Canada* May 2019 – Jul 2021
- Led labs and office hours to answer questions about topics in **Data Structures and Algorithms** and **Software Construction** courses for **20+** students **10 hours/week**.
  - Guided students to successfully complete **Java**, **C++**, and **Python** programming assignments and how to debug.
  - Implemented student assignments for the first-year integrated Science course in a team of ten, including four professors using PrairieLearn, an open-source online studying platform.

## Projects

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- Search My Post** | [github.com/hyunuk/searchMyPost](https://github.com/hyunuk/searchMyPost) Jul 2021 – Aug 2021
- Building a React web app to search my post on Facebook by keyword using Facebook API.
  - Implementing core features to provide simple linear search and full-text search using inverted index in Elasticsearch that is expected to be more than **10 times faster**.
- SnackTrack** | [snacktrack.herokuapp.com](https://snacktrack.herokuapp.com) Jan 2021 – Apr 2021
- Built a snack purchasing web app that provides transactions and inventory management with a team of 8 people.
  - Led backend developers to initialize the workflow, review the code of 100+ pull requests, and refactor the code to keep the code convention.
  - Discussed with other leads to make critical decisions in terms of tech stacks, database schema, and API design.
  - Implemented APIs to process user, transaction, and payment data between database and frontend, documenting their usage with appropriate error codes.
- pik** | [akhl.me](https://akhl.me) Aug 2020 – Sep 2020
- Built a social media platform that provides a summary based on image analysis via **Google Cloud Vision API**.
  - Parsed JSON from Google API to categorize images and implemented backend REST APIs through **NodeJS**.
  - Stored images in **AWS S3** and handle authentication using **Google OAuth 2.0**.
  - Enhanced image loading by 82% (90 to 16ms) after implementing lazy loading and image resizing.

## Education

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- Bachelor of Computer Science**, University of British Columbia, Year 4 Sep 2018 – Expected May 2023
- Achieving a 3.9 GPA on a 4.33 scale.
  - **Relevant courses:** Data Structures and Algorithms, Software Engineering, Internet Computing, Distributed System.