

# ROBERT LIN

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## PROFESSIONAL EXPERIENCE

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### Sourcegraph, Inc. | Software Engineer

REMOTE

GOLANG, POSTGRESQL

JULY 2021 - PRESENT

- Designed and implemented an up to 10x faster algorithm for mirroring permissions from very large GitHub instances, and enabled database queries to scale to match

### Sourcegraph, Inc. | Software Engineer Intern

REMOTE

GOLANG, TYPESCRIPT, GRAPHQL, KUBERNETES, MONITORING

MAY 2020 - JAN 2021

- Developed a framework for configuring alerting and paging events to monitor Sourcegraph instances
- Worked on automation and tooling to simplify release processes and internal deployment pipelines

### Sumus Properties Group Ltd. | Software Developer (Part-Time)

REMOTE

JAVASCRIPT, TYPESCRIPT, NODEJS, MONGODB, REACT

OCT 2019 - MAR 2020

- Created a plugin to automate aggregation of property data and report creation in Figma (design tool)
- Implemented features for an internal investment management platform to monitor the company's properties

### Riot Games, Inc. | Software Engineer Intern

LOS ANGELES, CALIFORNIA

GOLANG, JAVASCRIPT, REACT, MONITORING

MAY - AUG 2019

- Wrote, implemented, and deployed RFC design for defining alerts for use by hundreds of microservices
- Streamlined alert triaging by building an intuitive alert visualization and data pipeline to link related incidents

### RTrade Technologies Ltd. | Software Engineer (Part-Time)

REMOTE

GOLANG, GRPC, DOCKER, POSTGRESQL

SEPT 2018 - APR 2019

- Built a new product by implementing a service to resiliently orchestrate nodes for distributed filesystems
- Improved results and performance for our search engine by adding OCR text extraction for image content

### Michael Smith Genome Sciences Centre | Bioinformatics Co-op

VANCOUVER, BRITISH COLUMBIA

JAVASCRIPT, NODEJS, POSTGRESQL, REACT, PYTHON, ELASTICSEARCH

JAN - AUG 2018

- Built a new Node.js server that provided key functionality for 4 DNA analysis workflows and 3 websites
- Enabled visibility into the performance of analysis pipelines by integrating Elasticsearch and APM

## EXTRACURRICULAR

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### UBC Launch Pad | Tech Lead, Co-president

UBCLAUNCHPAD.COM

STUDENT-RUN SOFTWARE ENGINEERING CLUB

JAN 2018 - AUG 2019 | MAY - DEC 2020

- As tech lead, lead provided mentorship for three student teams of 5 to 10 students on full-stack projects
- As co-president, organized the club of 50+ students, helping tech leads coordinate and share resources
- Conducted interviews for prospective members and worked on many iterations of our interview process
- Developed tooling and websites for club management and documentation

## OPEN SOURCE

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For projects I've worked on, check out [my GitHub profile and website](#).

## EDUCATION

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### University of British Columbia

VANCOUVER, BRITISH COLUMBIA

B.SC. IN MATHEMATICS

SEPT 2016 - MAY 2021