ROBERT LIN

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PROFESSIONAL EXPERIENCE

Sourcegraph, Inc. | Software Engineer Intern
REMOTE
GOLANG, TYPESCRIPT, GRAPHQL, KUBERNETES, MONITORING
MAY 2020 - JAN 2021
- Developed the monitoring framework used to power all alerting and paging events at Sourcegraph
- Worked on improvements to release processes and deployment pipelines

Sumus Properties Group Ltd. | Software Developer (Part-Time)
REMOTE
JAVASCRIPT, TYPESCRIPT, NODEJS, MONGODB, REACT
OCT 2019 - MAR 2020
- Designed and implemented a plugin to aggregate property data and generate reports in Figma (design tool)
- Developed features for an 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 an RFC design for defining alerts for 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 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
- Reduced average data load times by 80%+ and enabled new data views and reports by building a new Node.js server that became the core of the team's 4 DNA analysis workflows and 3 websites

EXTRACURRICULAR

UBC Launch Pad | Tech Lead, Co-president
UBCLAUNCHPAD.COM
STUDENT-RUN SOFTWARE ENGINEERING CLUB
JAN 2018 - AUG 2019 | MAY - DEC 2020
- Provided support and mentorship as tech lead for three student teams of 5 to 10 students on full-stack projects, and lead the club of 50+ students as co-president
- 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
GITHUB.COM/BOBHEADXI

Inertia | Lead Developer
INERTIA.UBCLAUNCHPAD.COM
EFFORTLESS, SELF-HOSTED CONTINUOUS DEPLOYMENT PLATFORM
- Built a CLI and easily deployable daemon to automate service updates, builds, and deployments using Docker, with a total of 1000+ downloads, 25+ contributors, and 100+ stars
- Presented a tech talk about the project at the 2018 Vancouver DevOpsDays conference

gobenchdata | Personal Project
BOBHEADXI.DEV/R/GOBENCHDATA
CONTINUOUS BENCHMARKING AND BENCHMARK VISUALIZATION
- Created a GitHub Action, CLI, and web app to chart performance improvements, used 100+ times every day

EDUCATION

University of British Columbia
VANCOUVER, BRITISH COLUMBIA
B.SC. IN MATHEMATICS
SEPT 2016 - MAY 2021