

# ROBERT LIN

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## WORK EXPERIENCE

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

REMOTE

JAVASCRIPT, NODEJS, MONGODB, REACTJS, D3.JS, GOOGLE APP ENGINE, CIRCLECI

OCT. 2019 - PRESENT

- Developed new features and UI components to help investors assess the performance of their properties
- Reduced a 5-step process to 1 step with automated release and branch staging scripts

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

LOS ANGELES, CALIFORNIA

GOLANG, JAVASCRIPT, REACTJS, D3.JS, GRAPH DATABASES, MONGODB

MAY 2019 - AUG. 2019

- Wrote and published an RFC for defining alerts in our service specification by driving a cross-team design effort. Implemented and deployed the new specification, which saw use by 20+ services in the first month
- Improved alert triaging by building an alert visualization tool and data pipeline to link related incidents

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

REMOTE

GOLANG, GRPC, DOCKER, POSTGRESQL, TRAVIS CI, TESSERACT

SEP. 2018 - APR. 2019

- Built a new product by implementing a service to orchestrate nodes for isolated distributed filesystems
- Improved results and performance for our search engine by integrating OCR and revamping the indexer

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

VANCOUVER, BRITISH COLUMBIA

JAVASCRIPT, NODEJS, POSTGRESQL, REACTJS, PYTHON, ELASTICSEARCH

JAN. 2018 - 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

WWW.UBCLAUNCHPAD.COM

UBC'S STUDENT-RUN SOFTWARE ENGINEERING CLUB

JAN. 2018 - AUG. 2019

- Provided support and mentorship as tech lead of a total of three 5-10 student teams on web-based projects
- Gave a lightning talk to over 100 attendees at the Vancouver DevOpsDays conference about a project (Inertia)

### nwPlus | Web Developer

2019.NWHACKS.IO

THE CLUB BEHIND THE NWHACKS, UBC LOCAL HACK DAY, CMD-F HACKATHONS

MAY 2018 - SEPT. 2018

- Built the nwHacks 2019 website, used by 1000+ hackathon applicants and the nwPlus team for processing applicants, with a team of developers using React and Firestore

## OPEN SOURCE

GITHUB.COM/BOBHEADXI

### Inertia | Lead Developer

INERTIA.UBCLAUNCHPAD.COM

EFFORTLESS, SELF-HOSTED CONTINUOUS DEPLOYMENT PLATFORM

- Built a CLI and easily deployable daemon in Golang to automate service updates, builds, and deployments with Docker - used by 4 teams at UBC Launch Pad with 100+ stars, 7000+ downloads, and 20+ contributors

### Hercules | Contributor

GITHUB.COM/SRC-D/HERCULES

FAST, INSIGHTFUL, AND HIGHLY CUSTOMIZABLE GIT HISTORY ANALYSIS

- Enabled higher granularity by updating core parts of the tool's internal directed acyclic graph of analysis jobs
- Fixed a race condition in concurrent processing and built library improvements such as a pluggable logger

## EDUCATION

### University of British Columbia

VANCOUVER, BRITISH COLUMBIA

B.SC. IN MATHEMATICS

SEPT 2016 - EXP. MAY 2021