Robert Lin

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Work Experience

Sumus Properties Group Ltd. | Software Developer (Part-Time)
Javascript, NodeJS, MongoDB, ReactJS, D3.js, Google App Engine, CircleCI

Remote
Oct. 2019 - Present

- Developing new functionality and UI components to help investors assess the performance of their properties
- Reduced a 5-step process to 1 step by automating release and branch staging

Riot Games, Inc. | Software Engineer Intern
Golang, Javascript, ReactJS, D3.js, Graph Databases, MongoDB

Los Angeles, California
May 2019 - Aug. 2019

- 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 its 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)
Golang, gRPC, Docker, PostgreSQL, Travis CI, Tesseract

Remote
Sept. 2018 - Apr. 2019

- Built a new product by implementing a service to orchestrate nodes for 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
Javascript, NodeJS, PostgreSQL, ReactJS, Python, Elasticsearch

Vancouver, British Columbia
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
STUDENT-RUN SOFTWARE ENGINEERING CLUB

WWW.UBCLAUNCHPAD.COM
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
THE ORGANIZATION BEHIND THE NWHACKS HACKATHON

2019.NWHACKS.IO
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
EFFORTLESS, SELF-HOSTED CONTINUOUS DEPLOYMENT PLATFORM

INERTIA.UBCLAUNCHPAD.COM

- 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 8000+ downloads, 20+ contributors, and 100+ stars

Hercules | Contributor
FAST, INSIGHTFUL, AND HIGHLY CUSTOMIZABLE GIT HISTORY ANALYSIS

GITHUB.COM/SRC-D/HERCULES

- 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
B.Sc. in Mathematics

Vancouver, British Columbia
Sept. 2016 - Exp. May 2021