

Skills

Languages: Golang, Python, SQL, Rust, JavaScript, Java, C++
Technologies: gRPC, Flask, Linux, AWS, Redis, PostgreSQL, Git, Docker, React

Experience

Teleport

May 2021 - Aug 2021

Software Engineer Intern

San Francisco Bay Area (Remote)

- Integrated deductive databases and role based access control within the Database and Application Access Team
- Developed a Datalog based access tester with Go and Rust, improving administrators ability to test RBAC configurations
- Increased performance of deserialization within the access tester feature by over 200% using gRPC and protobufs

Tinyshed

Mar 2020 - May 2021

Founder, Software Lead

Toronto, Canada

- Created a mobile app using React Native and Python that lets users rent out their free space similar to Airbnb
- Developed the backend API with PostgreSQL and Flask, and integrated user onboarding and payment flow with Stripe
- Engineered search listings feature with Redis geospatial indexing for faster sort-by-distance at scale

Cylance

Sep 2020 - Dec 2020

Security Research Intern

Portland, Oregon (Remote)

- Developed data loss prevention cloud integrations with Dropbox within the Advanced Research Group of Cylance
- Reduced database and API calls by over 75% using Redis caches on Dropbox ingestors and internal dashboard queries

BlackBerry

Jan 2020 - Apr 2020

Software Engineer Intern

Waterloo, Ontario

- Developed internal verification tools to trigger sensors for CylanceOptics, improving consistency of supervision by 85%
- Engineered data streaming pipelines for parsing containers using Python and gRPC to enable on demand pattern mining

Opslevel

May 2019 - Aug 2019

Software Developer Intern

Toronto, Ontario

- Developed a BitBucket integration layer for thousands of customer repositories using Ruby on Rails and MySQL
- Refactored service UI to use Vuex for separation of state and view, decreasing code debt and improving maintainability

Projects

AutoDeck | Top 30 @ PennApps XX Hackathon

Sep 2019

- Created a web app using React, Node.js, and Express.js that generates Google Slides presentations as the user speaks
- Leveraged Google Cloud Platform's Natural Language Processing APIs to produce entity salience and sentiment analysis

Education

University of Waterloo

Sep 2018 - Exp. May 2023

Candidate for Bachelor of Computer Science degree (Co-op)