

CRAIG LEWIS

3B Computer Science Student

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SUMMARY OF QUALIFICATIONS

Languages	Go, Python, Java, JavaScript, TypeScript, C, C++, SQL, Racket, Bash, HTML, CSS
Frameworks	React.js, Redux, GraphQL, Angular.js, Node.js, Express.js, Django, Salesforce Lightning
Database & Pipeline	MongoDB, PostgreSQL, Bigtable, Apache Beam, Elasticsearch
Tools	Git, Docker, Jest, Enzyme, AWS, Fastly, Memcached, Unix Shell, Unity

EXPERIENCE

Postmates

September 2019 - December 2019

Software Engineer Intern

San Francisco, CA

- Developed a custom checkout integration using **Go** and **React** for Old Navy online orders fulfilled by Postmates' fleet, generating **\$20,000** of delivery revenue weekly
- Re-engineered SMS and push notification messaging for ongoing deliveries in **Django**, resulting in improved code clarity and reduced code duplication
- Migrated existing consumer facing RPC endpoints to **GraphQL** in **Go** by constructing schemas and resolvers
- Modified pipelines using **Apache Beam** and **Elasticsearch**, integrating new properties to merchant feed rankings

Vidyard

January 2019 - April 2019

Software Developer Intern

Kitchener, ON

- Migrated Vidyard's player from **VideoJS** to a **React**, **Redux**, **TypeScript** player reducing payload size by **52%**
- Componentized the player's sharing, embed, and playlist controls to compartmentalize common behaviours
- Developed an **internationalization module** to translate the player's UI based on the user's browser language
- Integrated YouTube playback functionality with Vidyard's native player controls using **YouTube's player API**

Stratus360

May 2018 - August 2018

Full Stack Developer Intern

Toronto, ON

- Designed and developed full stack applications using **Salesforce's Lightning Framework** and **MEAN Stack**
- Led the development of a self-service portal serving **80+** partners for a large telecommunications organization
- Integrated **Google Docs** with Salesforce using **Google's** and **AODocs' API** thereby reducing required storage by **50%** and enabling file tagging to serve as an enterprise grade storage solution
- Engineered a customizable submission framework by implementing **multilingual** and **versioning** capabilities

PROJECTS

DevHub 🌐 - devhub1.herokuapp.com

September 2018 - January 2019

- Full-Stack social media application made for developers to interact with each other
- Application built utilizing **Node.js**, **Express.js**, **MongoDB**, **React.js**, **Redux**
- Implemented **JWTs** in combination with **Passport.js** for secure authentication and protected routes
- Optimized the user experience by utilizing **GitHub's API** for repository querying

C-like Language Compiler

May 2019 - August 2019

- Engineered an assembler, LR parser, semantic analyzer and code generator to compile a C-like language to MIPS
- Improved compiler efficiency by implementing tail recursion, constant propagation and inlining procedures

EDUCATION

University of Waterloo

September 2017 - April 2022

Candidate for Bachelor of Computer Science