

# CRAIG LEWIS

4A Computer Science Student

☎ 647-745-2615    🌐 craigericlewis    📄 craig-eric-lewis    ✉ celewis@uwaterloo.ca    🌐 craiglewis.me

## SUMMARY OF QUALIFICATIONS

---

<b>Languages</b>	Go, Python, Java, JavaScript, TypeScript, C, C++, SQL, Racket, Bash, HTML, CSS
<b>Frameworks</b>	React, D3, Redux, gRPC, GraphQL, Angular, Node.js, Express, Django, Flask
<b>Database &amp; Pipeline</b>	MongoDB, PostgreSQL, Bigtable, Apache Beam, Memcached, Elasticsearch, Firestore
<b>Tools</b>	Git, Docker, Cypress, Envoy, Jest, Enzyme, AWS, GCP, Fastly, Unix Shell, Unity

## EXPERIENCE

---

**Google** May 2020 - August 2020  
*Software Engineer Intern* Mountain View, CA

- 🌐 Designed and implemented a full-stack application with **Python**, **gRPC**, **Typescript** and **React** to search, parse and visualize metrics associated with tests run on Google hardware
- Set up a CI pipeline with **Google Cloud Build**, **Docker** and **Cypress** for end to end testing and deployment
- Constructed the client API using **gRPC-Web** and proxied requests through **Envoy** to the backend server
- 🌐 Integrated **D3.js** with **React** and published an npm library of components to visualize side channel analysis data

**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's 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

- 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, 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

## EDUCATION

---

**University of Waterloo** September 2017 - April 2022  
Candidate for Bachelor of Computer Science