

Udall Mo

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QUALIFICATION SUMMARY

- Adept at building **front-end and back-end for web applications**
- Knowledgeable in **Git, Docker** and the **Agile** development cycle
- **4+ years of working experience in JavaScript and NodeJS**

LANGUAGES/TOOLS

- NodeJS
- React/Angular
- TypeScript
- SQL/Postgres
- Java
- Python

WORK EXPERIENCE

FULL-STACK ENGINEER INTERN | [ROUTE THIS](#)

SEPT 2019 - DEC 2019

Objective-C, Java, JavaScript, React, NodeJS, MongoDB

- Developed innovative network diagnostics tools for native mobile and web platform for technical support agents
- Integrated remote functionality into applications, **reducing call deflection by 47%**, resulting in faster troubleshooting
- Generated and maintained existing web platform diagnostic tools by **applying web-sockets and WebPacks**
- **Established an algorithm that identified network congestion**, improving congestion analysis reliability by 15%

WEB DEVELOPER INTERN | [THE CO-OPERATORS INSURANCE GROUP](#)

JAN 2019 - APR 2019

ionic 4, Angular 4, TypeScript

- **Built the front-end and integrated mobile gestures** for a progressive web application to view insurance policies
- Removed data redundancies and decreased overhead by refining the data infrastructure, improving run time by 20%
- **Assembled data structures and type interfaces from a REST API** to maintain design constraints and integrity

SOFTWARE DEVELOPER INTERN | [HUBDOC](#)

MAY 2018 - AUG 2018

NodeJS, Electron, MongoDB, NightmareJS, PhantomJS, SlimerJS, D3, Backbone, Handlebars, Postgres

- Developed **automated financial data and file collection micro-services for 10 000+ users** for a web platform
- Applied asynchronous design to micro-services, **achieving the highest success rate for collection since 2016**
- **Engineered 15+ automated micro-services**, resulting in a 5% improvement to reliability of data collection
- Launched a data visualizer that represented collection rates and success rates statistics for the analytic team

WEB DEVELOPER INTERN | [UNIVERSITY OF WATERLOO - RECRUITMENT OFFICE](#)

SEPT 2017 - DEC 2017

PHP, Drupal, MySQL

- Streamlined the **development of custom CMS websites** for incoming students based on their majors
- Deployed a dynamic CMS allowing content creators to update and modify program-related information
- Improved data security by implementing new security measures and introducing new front-end features

SOFTWARE DEVELOPER INTERN | [COULTER SOFTWARE](#)

JAN 2017 - APR 2017

Python, Django, Ionic 2, Selenium

- Integrated dynamic content management systems to the front-end of 3+ web applications for multiple clients
- Created a web application that displays real-time data from street cameras analyzing traffic congestion at borders
- **Decreased debugging time by 10%** and improved code quality by deploying automated test cases

PROJECTS

GAME ANALYTIC WEB APPLICATION

NodeJS, React, Apollo, GraphQL

- Engineered a web application that visualizes game data and determines the best strategies from top-ranking players

WEBASSEMBLY SUDOKU SOLVER

C, WebAssembly, JavaScript, React

- Programmed a web app that solves Sudoku puzzles with a backtracking algorithm, compiled using WebAssembly

EDUCATION

- University of Waterloo, Candidate for Bachelor of Applied Science, Computer Engineering 2021