

# Udall Mo

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## QUALIFICATION SUMMARY

**3rd Computer Engineering** student in pursuit of a degree in Applied Science  
Knowledgeable and skilled in object-oriented designs and data structures  
Adept at building software and web applications  
16 months of experience working on **Agile development** teams  
Familiar with **Git** and **Bitbucket** for version control  
Skilled in **Java** and **JavaScript** with over **12 months of experience**

## LANGUAGES/TOOLS

C++	NodeJS
Java	C
React/Angular	C#
HTML/CSS	SQL/Postgres
JavaScript	Python

## EXPERIENCE

### HYBRID APP DEVELOPER | THE CO-OPERATORS INSURANCE GROUP

- Developed a hybrid app allowing users to view policy details and make payments to their accounts for 10 000+ users
- Worked with UI/UX designers to integrate unique web designs achieving well-praised results from investors and users
- Implemented over 50% of features, integrating gestures and mobile interactions using **ionic 4** and **Angular 4**
- Built infrastructures to handle client's API data to remove redundancies and developed classes using **TypeScript**

### SOFTWARE DEVELOPER | HUBDOC INC.

- Increased automated data collection success rate from 40% to 70%, achieving the highest success rate since 2016
- Maintained 30+ automated micro-services to collect financial documents and data using **NodeJS** for 5000+ users
- Applied asynchronous patterns in **NodeJS** with **Electron** improving run times of the automated processes
- Created new automated micro-services using JavaScript libraries: **NightmareJS**, **PhantomJS**, and **SlimerJS**
- Implemented data visualizers for a product using **Backbone**, **Handlebars**, and **Postgres** increasing work productivity

### WEB DEVELOPER | UNIVERSITY OF WATERLOO - MARKETING AND UNDERGRADUATE RECRUITMENT

- Developed personalized offer package website for incoming first-year students using **PHP** and **Drupal**
- Created a dynamic algorithm allowing users to update and modify program-related content on the website
- Improved data form modules by installing security measures and implementing new front-end features
- Updated program-related content and enhanced keyword search engine to refine search results using **MySQL**

### SOFTWARE DEVELOPER | COULTER SOFTWARE

- Developed 3 websites integrating **Django CMS** for more efficient web updates and content management
- Developed automated test cases using **Selenium IDE** for a client's website, decreasing debugging time
- Generated frameworks for mobile applications using HTML, JavaScript, and Ionic 2 components
- Decreased loading times by 15% by modifying Ajax calls from traffic cameras to display real-time data

## PROJECTS

### GAME DEMO PROJECT

Created a role-playing game where the user searches an island for treasure using the **Unity game engine**  
Developed the algorithm that randomly generated maps and treasure locations creating a unique player experience

### COURT ARRANGEMENT SOFTWARE

Developed **Java** application that organized badminton players onto courts based on skill levels and played time  
Incorporated an algorithm that maintains an equal distribution of play time increasing overall player satisfaction

### WAVE DIGITAL-TO-ANALOG CONVERTER

Developed the software that allowed users to play, switch and pause audio tracks read from an SD card using a FPGA  
Incorporated several features that allow different button combination to play audio tracks at different speeds

## EDUCATION

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