

Joshua Ghori

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SKILLS

LANGUAGES

JavaScript • Python • Java
• HTML • CSS • PHP • R

FRAMEWORKS & PACKAGES

React/Redux • Angular • Node.js
• JQuery • NumPy • Scikit-Learn
• Matplotlib • Dplyr • Pandas

DATABASES

MySQL • MongoDB •
PostgreSQL • Firebase

EDUCATION

UNIVERSITY OF WATERLOO HONOURS MANAGEMENT ENGINEERING AND SCIENCES

BACHELORS OF APPLIED SCIENCE

September 2017 - Present

Relevant Courses: Data Structures
and Algorithms • Computer
Programming • Information Systems
• Database Management

PROJECTS

ACTIVITY ANALYSIS APP

Python • AngularJS • Django • SQL

Developed a web application that
allows users to rate and track their
activities, and uses machine learning
to provide future recommendations

NBA HALFTIME REPORT

JavaScript • PHP • MySQL

Created User Interface that connects
to a MySQL database of over 1000
players that spans 10 years. Displays
relevant stats based off a users
search. Used PHP to connect the
database and display unique queries.

AMAZON PRICE TRACKER

Python

Created application that webscrapes
Amazon and tracks price changes of
products. Sends email notifications
to the user when prices shift.

WORK EXPERIENCE

SOFTWARE DEVELOPER | TOYOTA CANADA INC.

FALL 2019

JavaScript • React/Redux • Python • HTML • CSS • MySQL

- Developed a **ReactJS** Application for Toyota employees to record their business mileage and submit end of year reports, utilized by **2,500+** employees
- Created internal timesheet system using **JavaScript**, **HTML** and **MySQL** that uses a proprietary scheduling algorithm, increasing process efficiency by **75%**
- Automated reporting process by creating an application that analyzed a **MySQL** database and extracted key metrics for business users, saving **\$30,000** annually
- Proposed and implemented improvements to user interface using **ReactJS** that increased employee involvement by **60%**

TECHNICAL ANALYST | CIBC, CAPITAL MARKETS

WINTER 2019

Python • JavaScript • PHP • Java • MySQL • HTML • CSS

- Increased department productivity by **50%** by creating web application using **JavaScript**, **HTML** and **CSS** that allows employees to upload and compile data from profit and loss statements to identify key metrics and global investments
- Developed ETL data pipeline to integrate with an existing financial reporting tool using **Java**, **PHP** and **MySQL**, saving **350+** hours quarterly
- Created **Python** application to evaluate large investment data sets. Analyzed shareholder activism and IPO trends and used predictive analysis to recommend future investments to improve shareholder retention by **22%**

QUALITY ASSURANCE ANALYST | SILFAB SOLAR

SPRING 2019

Java • Python • MongoDB

- Implemented solutions for **100+** system defects by collaborating with an **agile** work-team consisting of QAs and Software Analysts reducing idle times by **55%**
- Developed quality management system using **Python** and **MongoDB** to track quality, voltage and durability of solar modules produced, increasing traceability
- Worked closely with business stakeholders to obtain requirements and develop advanced **Java** test suite and stored procedures to generate data reports

CO-CURRICULARS

WEB DEVELOPMENT TEAM LEAD | WATERLOO

JavaScript • React/Redux • AngularJS • Node.js • HTML • CSS

- Utilized **AngularJS** to redesign user interface, while preserving all functionality
- Managed team of **70+** to develop SEO strategy, increased web traffic by **26%**
- Automated image optimization and minified **JavaScript**, which improved page load times by **30%** and reduced manual touch points by **40%**
- Competed in semifinal round every year in the **SpaceX Hyperloop Competition**

CELEBRITY RECOGNITION APP | CREATOR

JavaScript • React/Redux • Node.js • JQuery • PostgreSQL

- Developed **ReactJS** application that uses a machine learning API to predict the celebrity in the image a user submits with **82%** accuracy
- Integrated **CI/CD Pipeline** using circle CI optimizing code performance
- Implemented **Node.js** and **PostgreSQL** database to track user data and activity
- Designed mock ups, developed components, and created unit tests using **Selenium** for web UI testing