

# HUSSEIN FAHMY

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## Skills

### LANGUAGES

Java  
C  
C++  
HTML  
CSS  
AngularJS  
SQL  
Python  
Shell scripting  
Flask  
Concourse CI  
Android Development

### COURSEWORK

Unix  
ARM assembly  
Algorithms and Data Structures  
Swing GUI Library  
Maven build automation  
Git version control  
Jira  
OO Software Design  
Computer Architecture  
TCP/IP protocol suite

## Awards

Dean's Honor List ·  
Dean of Science, 2017  
Western University  
Dean's Honor List ·  
Dean of Science, 2016  
Western University  
Dean's Honor List ·  
Dean of Science, 2015  
Western University

## Education

Western University  
B.Sc. Honors Specialization in Computer Science 2018

## Employment

### IBM

Fullstack Developer Intern

Toronto, Ontario  
May 2017 to Aug 2018

- Setup, maintenance and monitoring of the pipeline used to validate Db2 Warehouse on Cloud production builds
- Improvements to the validation pipeline to support automated cleanup of deployed environments
- Design of changes for the pipeline infrastructure to support the automatic opening of git issues when the validation pipeline fails
- Refactoring of the pipeline used to test the DB2 engine component, making it more modularized and more easily consumable by users

### ProntoHC

Part-time Software Development Intern

Remote  
May 2016 to Jan 2017

- Working on Mobile App for Australian based Startup
- Using HTML, CSS, AngularJS, Ionic Framework

### Western University

Research Assistant

Western University  
May 2016 to Aug 2016

- Worked with a Professor as a research assistant, my responsibilities included:
- Perform webpage updates and maintenance
- Refactor code to make it easier to read and understand
- Used Git, HTML, and CSS to create new pages and update existing pages on Dr. El-Sakka's website

## Projects

### PlayBall

2016

- Created web application to help users find pickup games of their favourite sport
- Used Yelp's API to find nearby sports facilities
- Used HTML, CSS, JQuery, Python, and Git

### Bad Boyfriend

2016

- Created android application to analyze all images stored on a person's mobile device and analyze whether they'd make a good spouse
- Used Clarifai's image recognition API to analyze photos
- Used XML, and Java in Android Studio to create this app, and Git for version control

### Transform

2016

- Created a customizable dashboard for displaying health metrics such as activity and heart rate levels from Fitbit Data
- Used FitBit API to gather and store health metrics and user goals
- Used Git, Jira, Maven, and Java to complete this project

### HackProof

2016

- Created a plagiarism detection web app for hackathon projects
- Used HTML, CSS, and Javascript

## Club Work

Western Egyptian Student's Association · Vice President of Finances  
Western University

2016 to Current

- Used excel to create yearly, and event budgets
- Prepared grant applications to increase club revenue
- Managed club volunteers and directors to plan and execute events
- Ensured the club was meeting budgetary goals by supervising financial decisions
- Prepared and submitted documents for reimbursements