

# ATHER QURESHI

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## SKILLS & EDUCATION

- Proficient in high-level programming (Java, Python, C++, Ruby...)
- Proficient with C, assembly languages (ARM), shell scripting, functional programming (Haskell), Unix, and SQL
- Familiar with HTML5, JavaScript, database administration (Oracle Databases) and CSS (Web Development)
- Familiar with most tools of the Adobe Suite and Microsoft Office (Excel, Photoshop, Word, Publisher, Access...)

### 09.2014-PRESENT UNDERGRAD - UNIVERSITY OF WESTERN ONTARIO Honors Bachelor of Science

- **Honors Specialization in Computer Science** with Minor in Psychology
- Recipient of Western Scholarship of Distinction
- 85% average in all Computer Science Courses taken
- Graduated on Dean's List

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## PROJECTS – VIEW ON GITHUB

### WEB DEVELOPMENT

#### Western University – University Hospital

- Created **website** to display the various studies of the internal medicine team

### DESKTOP APPLICATION

#### FitBit Data Analyzer

- Created dashboard in **Java**, to showcase statistics from a user's fitbit **database**.
- Worked in coordination with a team of 4 using **Bitbucket** for repo storage, **Git** for version control, and **JIRA** for task scheduling

### DATA STRUCTURE APPLICATIONS

#### Algorithm implementations in Java

- Implemented data structures such as **Trees, Hashtables, and Graphs**
- Used this in applications such as file compressing/game-collision handling/path-finding
- Can be found in GitHub folder under Applications

### SAMPLE HOSPITAL DATABASE

#### Sql and Oracle databases

- Created a sample database for an artificial hospital using **oracle databases** and **SQLdeveloper**
- Created front-end form using **Java Swing**

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## WORK HISTORY

### 09.2016 – 05.2017 THE BRAIN AND MIND INSTITUTE Computer Programmer

- Created stimuli, programmed experimental tasks, analyzed data as well as helped out with other duties such as administrative tasks and piloting tests. Languages used was **Matlab and E-Basic**.

### 05. 2015- 12-2015 UNIVERSITY HOSPITAL LONDON, ON Research Assistant to Dr. Marko Mrkobrada

- Assisted research in **NeroVISION study**: Detection and Neurological Impact of CerebroVascular Events In Noncardiac Surgery

## EXTRACURRICULAR

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10. 2016

### **HACK WESTERN 3 PARTICIPANT**

- Selected to compete in the annual Western hackathon

2. 2016

### **INDUSTRY PROBLEM SOLVING WEEK ATTENDANT**

- Worked with an interdisciplinary team to provide solutions for a real-life industry problem.
- During three workdays, provided solutions and a presentation for Taveras Group Consulting's Sustainability toolkit software.

09.2014 – 04.2016

### **PAKISTANI STUDENTS ASSOCIATION PRESIDENT**

- Managed 70+ members, over 8 large events, with a budget of 3k per year.
- Worked effectively and delegated tasks with a large executive team.

11. 2015

### **WORLD'S CHALLENGE CHALLENGE UWO FINALIST**

- Finalists of presentations for World's challenge challenge.
- Our presentation was called "*Empowerment of Women in rural communities through skill development and employment generation*"
- Created a feasible and efficient system to tackle femininity issues in Pakistan, focusing on supporting young female entrepreneurs.

Note: References can be given on request. Full List of extracurriculars can be found on my LinkedIn Profile.