

## Fahad Jamil

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### SUMMARY OF QUALIFICATIONS

- Programming experience with Python, Java, Javascript, xHTML, CSS, Node.JS, Arduino, MongoDB
- Version control experience in Subversion & Git
- Strong understanding of various computational and mathematical data structures and algorithms
- Proficient with MS Word, Excel and PowerPoint, Eclipse, IntelliJ Idea, Pycharm, Bash, Github, Android Studio
- Minimal Linux server side hosting and configuration experience, Explicitly in Ubuntu & CentOS
- Intermediate Knowledge of Windows and Linux OS
- Effective multi-tasking and time management skills developed through various time sensitive academic projects and side projects
- Full business proficiency in English, Urdu and Punjabi

### EDUCATION

#### **Candidate for a Degree in Computer Science**

**Sept 2014 – Sept 2018**

UNIVERSITY of Toronto– Mississauga, ON

*Related course work: Structure and Interpretation of Computer programs, Introduction to Algorithms, Introduction to Calculus, Mathematical Proofing I, Introduction to Computer Science, Software Design, Introduction to Theory of Computation, Introduction to Databases, etc*

### WORK EXPERIENCE

#### **ESD (Enterprise IT solutions delivery) Front End/QA & Testing Work term student - City Hall/Government of Toronto**

**June 2016 – Sept 2016**

**Assisted in development of a Web application for the Committee of Adjustment**

- Implemented a python script to parse word documents, verify and convert to PDF documents for viewing at the web client side (used Amanda software to quality test)
- Designed and implemented UI/front-end for AIC document request web application using html5, css3, bootstrap, ArcGIS, JQuery, and JS handlebars
- Presented project to IT managers and senior IT SSI's for approval
- Provided high level implementation, technical documentation, and target dates for completion of project
- Designed and documented test cases for the AIC document request web application
- Will provide link to beta project and Recommendation Letter upon request

### RELEVANT EXPERIENCE

#### **Co-implemented Android Application**

**January 22 2016 – January 24 2016**

- Designed, implemented, and error handled a DEMO android application using android studio at a UofT Hackathon, download link & website: [www.unifind.tech](http://www.unifind.tech) (github src)

- Minimal server side implementation of a CRUD interface using Node.js and MongoDB for data storage and management
- Integrated Google Maps API for location based service for each data entry inserted by client

**Web Crawler Challenge Attempt @ Mindsumo.com** **January 2016 – March 1 2016**

*Challenge Name: How can we effectively crawl the web to find specific data?*

- Design and implemented an ethical web crawler in python using Standard, BeautifulSoup, and PDF miner libraries
- Parsed html text to mine information regarding a company's financials, explicitly annual premiums and annual revenue numbers
- Categorized the parsed data into a CSV excel file for review

**Windows application guided by a UofT professor**

**July 2015 - August 2015**

*Co-collaborator of the Windows application*

*Project guided by my Computer Science Professor at UofT – Reference available upon request*

- Co-designed and implemented a Windows desktop application written in Java, Swing for GUI
- A dedicated page for viewing this project: <http://axiom.barbaric.xyz/>

**Data Analytics Challenge Attempt @ Mindsumo.com**

**February 2015**

*Challenge Name: Analyze Clicks and Bounce Rates from Online Coupons*

- Efficiently retrieved Bounce rates from 160k weblog entries of user GET/POST/PULL requests

**Hackathon participant at Genesys Telecommunications**

**September 2015**

- Worked with Genesys's designer(In BETA) API to set up an interactive IVR for users and clients
- Utilized HTTP REST feature within the designer API to assist in information retrieval from a database

**EXTRACURRICULAR ACTIVITIES**

Frequent Participant of several Hackathons, Reading books particularly in the fields of math and computational sciences, a member of the Mathematical & Computational Sciences Society (MCSS)

**REFERENCES AVAILABLE UPON REQUEST**