

# Ishaaq Ibrahim

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## SUMMARY OF QUALIFICATIONS

- Proficient in Java, C, Python, SQL, HTML, CSS, PHP.
- Ability to code in Jupyter Notebook in Python, Visual Studio using C/C# and using TensorFlow to train agents in Unity Game Engine.

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## EDUCATION

### University of Maryland (UMD), College Park

*Expected Graduation: December 2019*

Bachelor of Science

- Major: Information Science, Data Science Specialization
- Relevant Courses: Object Oriented Programming (Java), Data Structures, Computer Systems (C and Assembly), Database Design (SQL), Project Management (Agile), Dynamic Web Applications (PHP, HTML, CSS, JQuery)

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## EXPERIENCE

### Qualcomm (San Diego, CA)

*June 2019 – August 2019*

Software Engineer Intern – 5G Software

- Assisting with writing software for the new 5G Qualcomm chipset
- Writing parsers in Python to interpret messages sent by crash dumps of tests on 5G chips
- Highly efficient code in C to read and dynamically store messages in memory
- Designed a custom circular buffer to maximize time efficiency and storage use

### Leidos (Arlington, VA)

*December 2017 – May 2019*

Software Engineer Intern – Advanced Solutions

- Automated model analysis using Python using machine learning rendered in the Unity game engine
- Research and development in cognitive computing
- Unity Game Development using C#, UI and AI, external Data flow into Unity Environments
- Training agents using TensorFlow, and using Reinforcement Learning
- Using GitLab to collaborate with team members on projects.

### Terrapin Tech (UMD College Park, MD)

*September 2016 – December 2017*

Student IT Technician – Department of Information Technology

- Provided hardware and software assistance to students and employees of UMD
- Diagnose technical support for Mac computers and administer basic hardware repairs and in-depth software repairs
- Antivirus, program downloads, mac OS install and reinstalls, Windows OS updates and installs, driver installation, general assistance

### Institute for Bioscience and Biotechnology Research (Gaithersburg, MD)

*September 2015 – August 2016*

Student Assistant – Business Office

- Submitted Purchase Requests and maintained files for invoices
- Ordered materials needed for both the Business office and Labs and managed the purchase data via Excel
- Organized and filed invoices, purchase requests, and other paperwork

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## PROJECTS

### Depth of Feature Extraction

Qualcomm HackMobile 2019

- Used multiple images with varying focal points to generate 3D model of a scene using open3D Python library

### Personal Website

[Ishaaqibrahim.github.io](https://ishaaqibrahim.github.io)

- Created a personal website to showcase experience and relevant content information.

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## SKILLS

- Programming – Java, TensorFlow, Eclipse, Junit, C, MIPS2000, Python, C# (Unity), SQL, R
- Web Development – HTML, CSS, Java, PHP, JavaScript
- Hardware - Mac Hard drive replacement, Mac hard drive cable repair, Mac data recovery, tier 1 diagnostics,
- Software - Microsoft office, Unity, macOS, Windows, Eclipse, Jupyter Notebook, Visual Studio
- Languages: English – Native; Urdu – Basic