

# Omar Ismail

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## CORE COMPETENCIES

**Programming Languages:** Java, JavaScript, Python, HTML, CSS, MATLAB

**Related Coursework:** Intro to Java, Data structures, Computer architecture and organization (assembly language), Fundamentals of Software Engineering

**Software Tools:** PyCharm, Visual Studio Code, Eclipse, IntelliJ, Git

## EDUCATION

**Johns Hopkins University – Baltimore, MD**

**September 2020 - Present**

- *Master of Science in Computer Science* (4.0 GPA)

*Expected Graduation: May 2023*

**Wayne State University - Detroit, MI**

**September 2015 - May 2019**

- *Bachelor of Science in Biomedical Engineering: Concentration in Biomechanics* (3.5 GPA)

## WORK EXPERIENCE

**GE Healthcare – Detroit, MI**

**April 2019 – May 2020**

*Field Engineer*

- Diagnosed and repaired a plethora of problems related to digital imaging equipment (DICOM data, Network Config issues, PACS/Worklist Issues, along with mechanical malfunctions)
- Identified key changes within x-ray projects that could affect cost, completion date and customer relationship
- Collaborated with a multi-disciplinary cross-functional team to remotely repair DI XR equipment

## PROJECTS

**StatHub**

**January 2021 - Present**

*Personal project*

- Utilizing React and Visual Studio Code to build a central hub of statistics for sports, with an emphasis on a unique prediction algorithm
- Current focus is taking open-source, current-gen statistics to predict future player performances by inputting their fantasy players and seeing which players best fit their needs

**OMARISMAIL.NETLIFY.APP: Personal Website**

**May 2021 - Present**

*Personal Website*

- Designed with HTML, CSS, and JavaScript – Version controlled through Git
  - Utilized flexboxes in CSS to support mobile compatibility
  - Created animations of menu button through JavaScript

**Cross-Disciplinary Global Engineering Program at ZJUT University - Hangzhou, China**

**Spring/Summer 2017**

*Study Abroad, Wayne State University*

- Worked collectively with a group of 6 international students on sustainable energy sources, more specifically, improving recycling rates of Lithium-Ion batteries
- Presented recycling solution to executives at A123 Systems in China and won 1st place in “most innovative solution addressing energy sustainability”

## EXTRACURRICULAR

**Biomedical Engineering Society (BMES): VP and Treasurer**

**December 2016 – January 2019**

**ReBUILD Detroit (Building Infrastructure Leading to Diversity): Founding Class**

**September 2015 – May 2019**

- Recipient of full ride scholarship
- Conducted and presented research across campuses in the metro-Detroit area