Yousam Asham

ashamy1@mcmaster.ca | 647.648.2857

🌐 yousam.ca   ⌕ yousamasham   in yousamasham

TECHNICAL SKILLS

LANGUAGES

Python • Java • C# • C • Apache Groovy • HTML • CSS • JavaScript • Swift • SQL • MATLAB

TOOLS & FRAMEWORKS

.NET • Power BI • Visual Studio • Sonatype Nexus • XCode • NuGet • Jenkins • Azure SSMS • LaTeX

EDUCATION

MCMASTER UNIVERSITY | B.Eng.BME Software Engineering

Sept 2018 - Apr 2024 | Hamilton, ON • cGPA: 3.9 / 4.0

Dual Major in Software and Biomedical Engineering

EXPERIENCE

ONTARIO TEACHERS' PENSION PLAN | Software Developer Intern

May 2021 – Current | North York, ON

- Develop and help deliver in-house .NET solutions created to aid portfolio managers' investment order booking.
- Design and implement new processes as well as enhancements to optimize pipelines & delivery infrastructure.
- Aid in automating DB refresh process to include 0 manual steps, including scheduling refreshes aligned to release cadence.
- Provide DevOps support to multiple teams and assist with production deployments and troubleshooting.

HONEYWELL | Technical Lead Assistant

Jan 2021 – May 2021 | Stoney Creek, ON

- Work with P3 Project Tech Lead to design and test software given requirements.
- Present and showcase designs to implementation team and vendors to communicate software requirements.

PROJECTS

SA(C)LT | Arduino, Embedded systems/software design

- "Socks for ACL Tears" is a project that integrates software and biomedical knowledge to create a device that qualitatively and quantitatively aids athletes with decisions regarding their return to sport.
- Using C++, Arduino, and embedded sensor design knowledge, this project was constructed on clinical evidence including concepts such as Limb Symmetry Index (LSI).
- Used sensors such as accelerometers, gyroscopes, and force sensors.

FILTRACK | Java

- A Web App used to help users look for music recommendations from a large data set of 300,000+ tracks.
- Uses scores assigned to each track and match it with the user's input of what music the user would like to hear.
- Designed and implemented various graphing, sorting, and searching algorithms.

LIFTBUDDY | HTML, CSS, JS

- A web application UI built with optimal user interaction in mind. This was a project built as part of learning about Human Computer Interaction (HCI) principles.
- Applied knowledge learned about HCI, a growing research topic pertaining to the design of interactions between a computer system and a consumer.