Manal Siddiqui

+(613)-462-7502 | linkedin.com/in/manal-siddiquii/ | siddiquimanal9@gmail.com | manalsiddiqui.com

EDUCATION

Bachelor of Computer Science (Co-op), **Minor in Business**— **Carleton University**   Sept. 2019 — Apr. 2024
- **GPA**: 3.7/4.0 | **Stream**: Artificial Intelligence and Machine Learning | **Societies:** CUSAT Capstone Project, Women in CS
- **Awards** : Zenith Fellow 2022, Black and White Scholarship, True Sport Major Award, SAP Most Innovative Award
- **Coursework:** Data Structures & Algorithms, Object-Oriented Engineering, Database Management, Operating Systems

SKILLS

Languages	Python, Go, Shell Scripting, Java, C++, C, JavaScript, SQL, Ruby on Rails, TypeScript, HTML, CSS, .NET
Frameworks/Envs.	TensorFlow, PyTorch, Node.js, Linux/Unix, Express, GraphQL, Sqlite3
Tools	Git, Jira, AWS, OpenStack, MongoDB, Postman, Github, Gitlab, Jira, Docker, Matlab, Putty, MongoDB, LabelImg, Zendesk, Docker, Google Analytics, Canva, STM32Cube, Esri, ArcGIS Pro, Adobe Illustrator
Other	Written/Verbal Communication, Collaboration, Detail-Oriented, Quick Learner, Problem Solver

EXPERIENCE

Incoming Robotics Software Engineer— **Mission Control Space Services**   Jan 2023 — May 2023

Platform Engineer — **SkyWatch**   May 2022 — Sept. 2022
- Developed **ArcGIS Pro Plug-In** to enable Skywatch Tools with the use of **Esri** software steering committees of over **15+** individuals using **C#,** improved employee usability for future Plug-In creations by refactoring over **90%** of the technical documentation and including detailed reports to replicate plug-ins
- Updated SQL database using **SQLite**, with latest satellite activity and launches biweekly backup of all data on the database to ensure **100%** data reliability
- Investigated **20+** tickets over 4 terms and fixed bugs, identifying underlying opportunities for improvements and propose recommendations to senior developers, worked collaboratively with **70+** others in the team, sharing knowledge via pair programming and documentation

Software Developer — **ADGA Group Consultants Inc**   May 2021 — Dec. 2021
- Developed an Augmented Reality (AR) application called MedCoach which is a project partnered with the Canadian Space Agency to be able to assist astronauts in space with medical procedures.
- Tested and implemented **30+** many procedures and features to the **AR** attribute of the application using **Java** and **JSON**
- Resolved technical issues by leveraging strengths in coding, debugging and integration testing with **Android** Studio Simulator to a cross-functional team of **10** people
- Labeled and trained images using **LabelImg** as well as **GPU** to train models using **ML Trainer** for object detection within the application
- Accelerated formation of issues queued, resulting in **90%** ticket completion

Research and Data Analyst — **Connection Silicon Valley**   June 2020 — Mar. 2021
- Analyzed **50+** databases including client based and past events data to improve companies growth and researched how the analysis can be used to progress the company to the next step
- Increased company exposure by driving over **6,000+** viewers by developing and deploying marketing plans

Junior Support Advisor — **Shopify**   Sept. 2020 — Jan. 2021
- Acting as a business coach, by engaging in conversations with clients to identify and resolve issues, and provide coaching opportunities for shopify clients resulting in over **$5.1 billion+** sales in the period of work
- Organized strategic planning for team **15+** advisors for ways to grow technical support, such as eliminating any issues with their website malfunctioning and operational aspects of keeping the economics of the business clear and simple
- Diagnosing and solving software faults using software such as Zendesk, Quickbooks and hardware faults within "Point of Sale" (POS) devices used by **7000+** employees

PROJECTS

CUSat — **C, STM32Cube**
- Developed a solution to solve a Multi-Master issue within the Carleton's cubesat that detects forest fires in Canada, developed the flight computer code using **C**
- Developed an interactive AI Chatbot that consists of **50+** responses to simple messages using **Tensorflow and Pytorch**

LEADERSHIP

Mentorship Coordinator — *Students for the Exploration and Development of Space (SEDS Canada)*
- Regulated over **50+ applications** to pair experienced mentors in the space sector with talented young individuals interested to advancing their space career

President — **Carleton Field Hockey Club**
- Regulated **25** team members for the Carleton Field Hockey Team. Organized various tournaments and events attended by **220+** Carleton students in fundraising for the team