

Sameen Islam

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PERSONAL STATEMENT

Currently engaged within an MSc in Artificial Intelligence with the goal of being able to apply this technology to novel solutions. Previously graduated with a First Class in BSc Computer Science and have industrial experience within Defence & Space and the Financial Services sector. Being able to tackle a large problem with a team of enthusiastic individuals and reflecting on its impact on the wider world gives me the most fulfilment.

Education

University of Southampton

Master of Science, Artificial Intelligence ❖ 2019 – 2021

- ❖ **Relevant Modules:** Artificial Intelligence, Machine Learning, Deep Learning, Reinforcement Learning, Evolutionary Algorithms, Intelligent Agents

Queen Mary University of London

Bachelor of Science, Computer Science with Industrial Experience ❖ 2014 – 2018 ❖ First Class, Honours

- ❖ **Relevant Modules:** Software Engineering, Algorithms & Data Structures, Database Systems, Web Programming.

Professional Experience

Accenture — City of London

System Developer Analyst, 2018 – 2019

Placed in consultancy teams within large financial institutions such as UBS and Clydesdale Bank

- ❖ Full-stack developer, working with Java in the backend JavaScript in the frontend
- ❖ Agile development, contributed documentation and designed system diagrams for communicating architecture to team located across three continents
- ❖ Responsible for maintenance and feature development of forex trade test automation framework which used a message passing interface (MQ) and Spring MVC framework
- ❖ Configuration of AWS EC2 cloud instances using Ansible
- ❖ Continuous integration using build tools such as Maven, Gradle and TeamCity before deployment
- ❖ Selenium and XPath scripting for automatic report generation through web scraping
- ❖ Unit testing, version control and application performance profiling using JUnit, Git and Java Flight Recorder
- ❖ Bash/Unix scripting for bulk data processing

Airbus — Stevenage, Hertfordshire

Spacecraft Database Developer, 2016 – 2017

Placed in ExoMars Rover development team; European Space Agency's (ESA) first robotic exploration mission on Mars.

- ❖ Used Java and internal NoSQL framework to create desktop applications which supported process owner and other database developers
- ❖ Built my own Java library on top of internal framework API to support common scripting operations and save time; this library went on to be re-used and developed further by other team members
- ❖ Fully documented all work: software spec, test spec, test outcome report and user manual. Presented tool to database community

Technology Summary

- ❖ **Programming Languages:** Python, Java, JavaScript, C#
- ❖ **Database:** Oracle RDBMS, MySQL, SQLite, MS Access, MongoDB NoSQL
- ❖ **Frameworks:** pandas, scikit-learn, Robot Operating System, Spark, Hadoop, Django, Unity3D
- ❖ **Misc:** Git, XQuery, Gradle, Maven, Selenium, TeamCity
- ❖ **Project portfolio:** <https://github.com/samisnotinsane>

Interests & Achievements

- ❖ Currently the Social Secretary within Southampton University Salsa Society where I organise socials, integrate new members and organise cross-committee and cross-university events
- ❖ Team won three grand-prizes across London and Amsterdam in various hackathons
- ❖ Secured grant of £3,600 from university for team travel to Silicon Valley to pitch winning hack in tech conference
- ❖ Team won £11,500 as grand prize in Sabre Corp's hackathon for Travita, which was covered in the Huffington Post newspaper (<http://goo.gl/QDPBVI>)