Amy Hynes

amy.hynes@mail.mcgill.ca
amyhynes.github.io
github.com/AmyHynes
linkedin.com/in/amy-hynes

SKILLS

LANGUAGES

Java
Python

TOOLS AND FRAMEWORKS

Git	Bash
Spring	React
JUnit	Mockito

OPERATING SYSTEMS

Linux
Windows
MacOS

EDUCATION

McGill University, Montreal

Bachelor of Arts and Science in Cognitive Science, Concentration in Computer Science
Graduated May 2020

Awards

First Class Honours in Cognitive Science
Dean's Multidisciplinary Undergraduate Research List

SELECTED COURSEWORK

- Applied Machine Learning
- Artificial Intelligence
- Natural Language Processing
- Object Oriented Software Engineering
- Web Application Development

EXPERIENCE

JP Morgan Glasgow, UK
Software Engineer Sept 2020 – Present

- Designed, implemented, and tested Java Spring application to onboard premier clients, including Amazon and Progressive Insurance, to account validation system
- Utilized Agile methodology as our team built a suite of applications to construct the account validation system for business-critical verification of accounts before transactions are performed, ensuring millions of successful transactions per month
- Mentored and offered support and coaching to new hires as our team quadrupled in size over the course of a year
- Tools: Java, Spring, Mockito, JUnit

Morgan Stanley Montreal, Canada
Summer Technology Analyst May – Aug 2019

- Designed and implemented Java Spring application supporting business-critical trading of loans
- Migrated 4000 lines of legacy C++ code into Java Spring code
- Developed unit tests and integrated continuous deployment for project using Agile methodology
- Tools: Java, Spring, Mockito, JUnit

Douglas Mental Health Institute Montreal, Canada
Research Assistant Sept 2019 – May 2020

- Research assistant in Dr. Mallar Chakravarty's lab
- Implemented machine learning models for histological image analysis

PROJECTS

Histology Cell Counter Sept 2019 – May 2020
Honours Research Project, McGill University

- Python script for preprocessing and counting the number of cells in microscope images
- Designed, implemented, and tested software that uses machine learning to perform analysis on histology images
- Tools: Python, Scikit-learn, Scikit-image, Pickle

COMMUNITY INVOLVEMENT

National Autistic Society Nov 2020 – Aug 2021
JP Morgan Charitable Project

- Collaborated with a team of 7 to design and develop a web application for employers to post autism-friendly job adverts
- Assumed responsibility personally for implementation of login and password reset functionality
- Tools: React, CSS