SOLVI MAR MAGNUSSON

New York, NY 10044 | (347) 414-0859 | sm65664n@pace.edu | LinkedIn

EDUCATION

Pace University, Seidenberg School of Computer Science   New York, NY
Master of Science (MS) in Computer Science   Expected December 2019
GPA: 4.0

University of Iceland   Reykjavik, Iceland
Bachelor of Science (BS) in Software Engineering   February 2018
Graduated with First Grade

TECHNICAL SKILLS

Programming Languages:	C#, Java, R, JavaScript, Python, C, SQL
Database Management Systems:	Microsoft SQL Server, PostgreSQL, MySQL
Web Development:	HTML, XML, CSS, Flask, Django, Node.js, Apache & Tomcat

PROJECTS

To Conquer a Game Using Artificial Neural Networks and Genetic Algorithm
- Created an endless runner game using the Phaser HTML 5 Game Framework.
- Applied artificial neural network using Synaptic – The JavaScript Neural network library to learn from the game and implemented a Genetic Algorithm using only JavaScript to improve the accuracy of non-player character.

Your Health and Fitness
- Collaborated with a SCRUM team to develop a website and an accompanying mobile app using Android Studio that allowed users to get personalized workout regimen and a diet plan based on the user's desired goal.
- Utilized Java with Maven and Spring Framework, Thymeleaf template to develop the tool.

EXPERIENCE

Deloitte Iceland   Kopavogur, Iceland
Robotic Process Automation Developer   January 2018 – August 2018
- Created a system that automated multiple accounting processes for a petroleum company
- Developed the system by creating "robots" to emulate and integrate the actions of a human interacting within digital systems using C#, UiPath and Visual Basic.
- Created customized NuGet packages that were used within the UiPath software.

Staki Automation   Kopavogur, Iceland
Data Analyst   March 2017 – January 2018
- Designed and maintained a data warehouse for the Icelandic Tourist Board using SQL Server Integration Services and Microsoft SQL Server.
- Created a dashboard using Microsoft Power BI to visualize various metrics on tourism in Iceland.
- Used time series analysis with R to make forecasts regarding the number of passengers passing through the Keflavik Airport.

University of Iceland   Reykjavik, Iceland
Assistant Teacher   January 2017 – April 2017
- Worked as an assistant teacher in the course STÆ203G (Probability and Statistics).
- Helped students with concepts in probability and statistics based on univariate calculus as well as using R for computing and for theoretical exploration, such as simulating random variables and to analyze data with statistical methods.

LANGUAGES

Native Icelandic speaker, basic Danish and German