BARTOSZ KOSAKOWSKI

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SKILLS

PROGRAMMING LANGUAGES: Java, Python, HTML/CSS, SQL, JavaScript, Elm, C#.NET, XAML, VB.NET
OTHER SKILLS AND TOOLS: Fluent in Polish

EMPLOYMENT

Ontario Financing Authority
Junior Developer

1 Dundas St W #1400, Toronto, ON M7A 1Y7
Apr. 2018 to Aug. 2019

- Refined the speed and security of the software by processing all of the project files in the organization and removing in-line SQL statements, and replacing them with stored procedures.
- Improved the management of new bank data, and workflow by adding additional features to financial trade software and changes to the user interface.
- Enhanced accuracy of financial reports and efficiency in generating them by correcting calculations across several pieces of software, as well as providing overall support for future issues related to these areas.
- Allowed for managers to have a better understanding of existing errors in report generating software by providing information on their cause, which also resulted in easier planning to fix them in the future.
- Implemented new SQL tables and views which would be used in future feature additions to the software.
- Facilitated better structured and organized social events by assisting other co-op students in planning, and decorating, including creating websites on the company portal to advertise and sign up for participation.

Cyclone MFG Inc.
Production Planning Assistant

7300 Rapistan, Mississauga, ON L5N 5Z4
May 2017 to Aug. 2017

- Dramatically reduced team workload by rapidly releasing over 600 work orders and 50 part templates using Microsoft Dynamics AX and JobBOSS ERP software.
- Lead to faster and easier releasing of work orders by reviewing engineering documents, drawings, and purchase orders by ensuring they contain data of sufficient quality and correctness.
- Allowed for senior team members to focus on higher priority tasks and improved office productivity by training and mentoring several new employees in production planning.
- Created an easier transition to a new software system by transferring data out of the old JobBOSS software and into the new Microsoft Dynamics AX platform.

PROJECTS

Kevin's Kreations

June 2019 to Sept. 2019

- Created using HTML, CSS, JavaScript, and JQuery.
- A website meant to be a mock-up of an online art store where the user can browse the artist's portfolio, read their biography, select items to add to a cart, view them in a dynamic checkout list, sign up for a mailing list, and send them a message.
- Features a responsive design that scales to fit better on mobile devices, and is compatible across many browsers.

DnD DM Screen

Sept. 2018 to Current

- Created using C# .NET in Visual Studio 2017.
- A desktop software that provides Dungeons and Dragons Dungeon Masters with a series of tools to create more a more immersive experience for their players.
- Allows for easier managing of multiple campaigns, ease of modification and customization of existing campaigns.
- Developed a website that will provide users with resources and help for issues, as well as track the development of the software (once it is released) - visit it at http://bartkosa.com/DmScreenHelp/

Movie Reviews

Apr. 2018 to May 2018

- Created using C# with Visual Studio 2017 and T-SQL with SQL Server 2014.
- Movie Reviews is a desktop app that allows for users to sign up, log in, create and edit their profile information, view details about movies, create and view movie reviews, and create a friend network.
- Implements a GUI using WPF, and connects to a SQL Server database to store user's account information, reviews, movie information, and other data.

Poke-Bot

Oct. 2017 to Oct. 2017

- Created using Python 3 with discord.py, asyncio, urllib, BeautifulSoup4, requests, io, and PIL packages.
- A bot for the Discord chat software that allows a user to search for Pokemon by typing !pokebot <Pokemon name> into the chat.
- Finds the specified Pokemon number from a local text file, then searches serebii.net for relevant data and an image of the Pokemon.

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Databases
- Information Security
- Concurrent Systems

VOLUNTEERING

McMaster Outreach · Volunteer
1280 Main St W, Hamilton, ON L8S 4L8

Oct. 2016 to Oct. 2016

- Volunteered with the McMaster University Outreach program over the October 2016 reading week to encourage local elementary school children to pursue studies in Computer Science.
- Tutored very basic elm syntax to elementary-level children.

EDUCATION

McMaster University
B.A.Sc. Honours Computer Science 2020

June 2015 to Current