WENDY FU

SOFTWARE DEVELOPER / DESIGNER

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WORK HISTORY

Jan - Apr 2016

DATA SCIENTIST
Capital One | Kitchener, Ontario

◆ Designed and developed a fraud detection extension for Capital One's online banking website with a complete pipeline that processes over 500Gb of data/day.
◆ Implemented data mining and machine learning solutions to business problems such as fraud detection and targeted marketing; conducted outlier detection in Python using scikit-learn to identify and flag fraudulent transactions.
◆ Implemented dynamic data visualizations including a calendar view using Python, MongoDB, jQuery and d3.js.
◆ Worked closely with customers in a feedback loop to analyze customer sentiment and improve features.

May - Aug 2015

SENIOR SOFTWARE ENGINEER
Trustwave | Cambridge, Ontario

◆ Developed a cross-platform command line Java tool that fetches and parses raw data using pattern recognition, increasing automation speeds by a factor of thousands.
◆ Designed and implemented hotfixes for the SIEM Legacy product incorporating data partitioning and application stabilization.
◆ Developed various tools for data analysis including a data feeder written in Scala with a Java architecture.

Jan 2012-Present

FREELANCE WEB DESIGNER
Various | Toronto, Ontario

◆ Designed and developed websites using HTML, CSS and jQuery for small business owners
◆ Implemented a variety of tools such as Bootstrap, Sass, and self-designed responsive handling for creative design.

PERSONAL PROJECTS

MIMSY   C# | Unity3D
An endless runner game with a twist made in Unity3D.
◆ Developed everything independently, including scripting, illustrations, animations, and game design.

MONOPOLY MINI EDITION   Java
Replica of the popular board game, Monopoly.
◆ Created a replica of the Monopoly board game on a virtual platform using OOP, inheritance, polymorphism and original graphics.

SKILLS

Java

C / C++

Python

jQuery

Javascript

Angular JS

MySQL

MongoDB

Linux / UNIX

Git

Adobe Photoshop

HTML / CSS

EDUCATION

◆ **Candidate for Bachelor of Software Engineering**
University of Waterloo | 2014-2019

INTERESTS

🎨 I love art and I have always incorporated good design in everything that I do. Have been selling HQ illustrations to customers for 7 years.

🎮 Played pretty much every game in existence.

🎻 Avid violinist; played in many concerts as the first violinist.