

# WENDY FU

SOFTWARE DEVELOPER / DESIGNER



647 785 2566



comloo99@gmail.com



github.com/comloo



wendyfu.com

## WORK HISTORY

Jan - Apr  
2016

### DATA SCIENTIST

Capital One | Kitchener, Ontario

- ◆ Designed and developed features including 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, 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

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.