

LOUIS MILLETTE

Bachelor of Honors Mathematics, Statistics

www.louismillette.com · github.com/louismillette

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SKILLS

- Proficient in **Python, R, SAS, C#, SQL, VBA, Django**, JavaScript and Microsoft Office (Excel, PowerPoint, Access, Word, Outlook, etc)
- Experience with C, C++, HTML, CSS, jQuery, flask
- Development tools: Git, AWS, Jupyter, IIS, PyCharm, Visual Studio, Sublime

EDUCATION

University of Waterloo, Ontario, Canada

Bachelor of Honors Mathematics, Statistics (Graduated Winter 2018)

WORK EXPERIENCE

SUMMER, 2018

SOFTWARE ENGINEER/ ACCOUNTANT, MILLETTE & CO., SHANE MILLETTE, CPA

- Built the website for the company - milletteco.com, which includes front and back end, hosting with Django, Digital Ocean
- Analyzed and audited bank records, financial statements, and checks, using QuickBooks and Point of Sale

WINTER, 2016

PROGRAMMER AND DATA ANALYST, SEED SUSTAINABLE

- Built user authentication including emailing user tokens in Django, AWS
- Created over 10 back end monitoring and graphing widgets with high charts
- Architected server to get news stories and financial data from Zach's and Reuters daily, in python and PostgreSQL

FALL, 2015

SOFTWARE DEVELOPER, ASTUTE SOLUTIONS

- Developed cron jobs on a C# server queue for enterprise web application
- Created 5+ widgets using JS and jQuery, linked them to cron jobs
- Integrated bamboo continuous test server in C# and ASP.NET

RECENT MAJOR PROJECTS | WWW.LOUISMILLETTE.COM

SKIMP.CA

A website which allows users to look for housing in Waterloo. This application goes through all the Facebook posts on student housing whilst allowing users to set filters on their search.

- Interacted with facebook's Graph API to get housing data
- Created Neural Network using TensorFlow in python to categorize housing posts
- Hosted with AWS on Django using PostgreSQL for the database

INVESTMENT RETURNS RESEARCH AND CALCULATOR

An investment return calculator for index and mutual funds. I looked at index how fund MER's, additional fees, dividends, interest, and inflation effect the dollar amount as well as returns.

- Used python on an AWS lambda instance for the investment return calculator
- Created High charts in python and R for better visualizations

HOME-MADE ANNUITY CALCULATOR

An annuity model to calculate how much money to invest and how much money can be removed from an investment for it to be equivalent to an annuity (without those annuity fees!)

UWTEXT

A website for users to be able to buy/rent/sell textbooks via Facebook, Amazon and UW Bookstore.

- Built software using AWS, using EC2, EBS, and RDS instances.

HACKATHONS AND VOLUNTEER

- Bloomberg (Winter 2018)
- MSFT hacks hosted by Microsoft (Winter 2016)
- Code B hosted by Bloomberg (summer 2015)
- Assistant Event Director for Math Society, Waterloo University
- Enjoy Swimming, hiking and camping but mostly developing codes on real life issues

SCHOLARSHIPS AND AWARDS

- University of Waterloo Merit Scholarship, University of Waterloo, ON