

JONATHAN ESTRELLA

(647) 835 · 8263 — jjestrel@edu.uwaterloo.ca — jayestrella.com — github.com/jjestrel

312 Thornhill Place — Waterloo, Ontario, N2T 0A9

TECHNICAL SKILLS

Languages	Python, JavaScript, Java, SQL, R, PHP
Frameworks and Libraries	Node.JS, Spark, React, AngularJS, Django, Laravel, Ionic, jQuery, Hadoop
Technologies	MySQL, PostgreSQL, MongoDB, git, SVN

PROJECTS

S&P Leverage Simulator - *Simulating Leveraged Stock Trading* 2015
R

Monte Carlo simulation to determine likelihood of success of day trading leveraged exchange traded funds.

FollowCheckr - *Tracks Tumblr Blog Statistics* 2011
PHP, HTML

A tool to track which followers have been lost, new followers, and to see which followers do not follow you back. Had 100 unique hits per day over the course of 3 months.

EXPERIENCE

Street Context May 2016 - April 2017
Software Developer *Java, Scala, Spark, JavaScript, SQL*

- Created microservice with Akka to serve an email tracking image that records how long an email was read
- Added CRUD support for different resources using Jersey

WatrHub August 2015 - April 2016
Data Algorithms Developer *Python, Java, MongoDB, JavaScript, HTML, Hadoop*

- Changed web scraping tech stack and reduced monthly server bill by 50% while also improving performance
- Wrote classifier for PDF files found on municipality websites, achieved an accuracy of 79%.
- Created web tools for analysts to interact with data sets

Manulife RED Lab January 2015 - May 2015
Solutions Prototype Developer *JavaScript, Python, Java, AngularJS, MongoDB, MySQL*

- Worked in 2 week sprints to create 7 functional web and mobile prototypes
- Performed research to identify key problems customers face and provided functioning prototypes to demonstrate solutions

PetroPredict May 2014 - August 2014
GIS/Software Developer *Python, Django, PostgreSQL, MongoDB*

- Created efficient data parsing tools to extract and clean over 15 GB of data and export into a PostgreSQL database
- Led the development of a customer facing dashboard to visualize petroleum production data

Freelance Work November 2013 - May 2014
Software Developer *PHP, JavaScript, MySQL, Laravel, Yii*

- Worked with several clients and implemented REST APIs, developed a form builder, and wrote documentation
- See website for references and more details

EDUCATION

University of Waterloo, Waterloo, Ontario 2014 - 2018
Candidate for Bachelor of Computer Science, Honours Computer Science, Co-op