JONATHAN ESTRELLA

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TECHNICAL SKILLS

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

PROJECTS

Kenko - *Optimizing Meal Plans*   2015
Python, HTML, JavaScript

A tool to create a healthy meal plan based on different dietary needs.

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 Contxt   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 with the Jersey framework

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