JONATHAN ESTRELLA

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TECHNICAL SKILLS

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

EDUCATION

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

EXPERIENCE

Square   September 2017 - April 2018
Software Engineering Intern   *Ruby, Python, JavaScript, Scikit-learn, Ember*
· Added audit logs to admin tools managing food delivery orders
· Developing method to predict if a courier will reject delivering a food order

Street Contxt   May 2016 - April 2017
Software Developer   *Java, Scala, Spark, JavaScript, React, SQL*
· Improved email analytics by creating a microservice with Scala and Akka to serve an email tracking image that recorded how long an email was read
· Developed Spark application to download email links and run machine learning algorithms on the content to provide insights to users
· Lead transition away from Arquillian testing framework to API tests with JUnit

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 municipal websites to reduce time analysts spend classifying documents manually, achieved an accuracy of 79%
· Created web tools for analysts to interact with data sets and trigger web crawling

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 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

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.