

JONATHAN ESTRELLA

Computer Science 2B - 20510440

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TECHNICAL SKILLS

Languages	Python, JavaScript, PHP, Java, SQL, R
Frameworks and Libraries	AngularJS, Django, Ionic, jQuery

PROJECTS

FollowChecker - Tracks Tumblr Blog Statistics 2011
PHP, HTML

- Created scalable platform that interacted with Tumblr's REST API
- Traffic of 100 unique hits per day for 3 months

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

- Created simulation to determine possible results in day trading leveraged exchange traded funds

EXPERIENCE

Manulife RED Lab	January 2015 - May 2015
<i>Solutions Prototype Developer</i>	<i>JavaScript, Python, Java, AngularJS, MongoDB, MySQL</i>

- Quickly learned a variety of frameworks and languages to create 7 functional prototypes
- Performed research to identify key problems customers face and provided functioning prototypes to demonstrate solutions

PetroPredict	May 2014 - August 2014
<i>GIS/Software Developer</i>	<i>Python, Django, PostgreSQL, MongoDB</i>

- 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
<i>Software Developer</i>	<i>PHP, MySQL, Laravel, Yii</i>

- Implemented new features, wrote tests and documentation for 100k-250k lines of code projects
- Developed communication skills working with customers to help determine their needs

EDUCATION

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

University of Waterloo, Waterloo, Ontario	2013 - 2014
Candidate for Bachelor of Environmental Studies, Honours Geomatics, Co-op	