

# JONATHAN ESTRELLA

Computer Science 2B - 20510440

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## TECHNICAL SKILLS

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

## PROJECTS

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**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 a Monte Carlo simulation to determine likelihood of success in day trading leveraged exchange traded funds based on different parameters

## EXPERIENCE

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

- 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  
*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, MySQL, Laravel, Yii*

- 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

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**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