Valerie Angulo

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**EDUCATION**

**New York University,** New York, NY Expected Graduation: May 2019

Coursework: Fundamental Algorithms, Programming Languages, Operating Systems,

Real Time and Big Data Analytics, Practical Computer Security, Database Systems GPA: 3.2/4.0

**SUNY Old Westbury**, Old Westbury, NY Jan 2016 - May 2016

Coursework: Linear Algebra, Visual Basic, Organic Chemistry with Lab

**Villanova University**, Villanova, PA Aug 2010 - May 2014

Bachelor of Science in Comprehensive Science GPA: 3.1/4.0

**School for International Training**, Arusha, Tanzania Aug 2012 - Dec 2012

Study Abroad Program in Wildlife Conservation & Political Ecology

**SKILLS**

**Programming Languages:** Proficient in Java, C/C++, Python; familiar with Ada, Scheme, ML, Assembly Language(x86), Visual Basic

**Big Data Ecosystems:** Hadoop, MapReduce, HDFS, Spark/PySpark; familiar with HBase, Hive, Impala, Pig

**Database Software and Tools:** Oracle, SQL Power Architect

**Project Experience:** Analytic to find correlations between crime, taxi usage and weather in New York City based on location using open datasets: https://github.com/vangul01/CrimeProject

· Found general positive correlation between areas of higher crime and higher taxi usage

· Future work: potential correlation between wealthier areas and higher taxi usage

**WORK & VOLUNTEER EXPERIENCE**

**1000 Girls 1000 Futures,** Mentor Mar 2018 - Mar 2019

· Serve as a mentor for high school-aged girl to foster her interest and enthusiasm in STEM

· Partake in bi-weekly video chats to provide support and college/career advice related to STEM interests

**Bike & Build,** Rider Jan 2017 - Aug 2017

· Fundraised $5,000 to serve as grants for various affordable housing non-profit organizations

· Volunteered with affordable housing organizations from Virginia to Oregon over 77 week cycling tour

**AmeriCorps National Civilian Community Corps,** Corps Member Feb 2015 - Nov 2015

· Served 7 non-profit organizations in 5 states in the Southern US with a team of 8 individuals

· Assistant Team Leader for 3 months of service term, organized team and delegated daily work tasks

**Student World Leader Program,** Research Intern Aug 2014 - Dec 2014

· Collaborated online with students across the US to launch a non-profit website missiontorebuild.org, now missiontorebuild.com

· Researched Renewable Energy Certificates to measuring their impact on economies around the world and determine importance of green energy products provided through website