Ivan Echevarria

iechevarria@email.wm.edu

(650) 753 9351

linkedin.com/in/ivan-ech

education

College of William & Mary, Williamsburg, VA anticipated graduation May 2018

*B.S. Computer Science* GPA 3.83

*B.S. Applied Mathematics, Probability & Statistics concentration*

Dean’s List Fall 2014 – present

James Monroe Scholar August 2014 – present

skills, qualifications, courses

*languages*: Python, C/C++, Java, SQL, R  
*tools and software*: Git, Maya, Lightroom, Photoshop, InDesign, ArcMap, Office Suite

*web:* HTML5, CSS3

*relevant courses*: Software Engineering (C++, Java), Software Development (Java), Algorithms (C++), Game Design (C++), Program Languages (C/C++, Python, Perl), Data Structures (Python), Data Analysis (R), Big Data Analytics (R),

Probability (R), Remote Sensing (ArcMap), Applied Statistics

*areas of expertise*: software engineering, data analysis, machine learning, technical writing, imaging, presentations

internships

CarMax, Richmond, VA

*Strategy Analyst Intern* June 2017 – August 2017

▪ Developed new methods to reduce pricing error with a projected value of $6M-$12M per year

▪ Identified new source of pricing error by leveraging third-party data and analyzing 300M+ records

▪ Built visualizations to demonstrate trends; findings were deemed significant enough to change team priorities

▪ Technologies: Python (pandas, scikit-learn, matplotlib), SQL

AidData, Williamsburg, VA

*Research Associate* May 2016 – August 2016

▪ Saved organization $150K+ by developing tools to automate processing on 2M+ documents

▪ Improved web scraper to collect AidData-relevant articles 5x faster

▪ Wrote documentation for newly-developed internal tools; expanded existing documentation

▪ Technologies: Python (pandas, scikit-learn), R, Selenium

William and Mary Department of Mathematics, Williamsburg, VA

*Research Assistant* June 2015 – July 2015

▪ Used machine learning to classify 80 GB of images of eyes as healthy or sick

▪ Presented findings at a program-wide meeting; made visualizations and built the slide deck

▪ Continued to work to improve methods during following semesters on a part-time basis

▪ Technologies: Python (scikit-image, OpenCV), MATLAB, R

etc.

William & Mary Photography Program– *Lab Assistant, Student* August 2016 – present

▪ Achieve 2M+ views of photographs online; have work featured in print and online publications

▪ Granted funding from the Roy R. Charles Center for Academic Excellence to complete film photography project

▪ Assist with creating hundreds of platinum-palladium prints

Students for University Advancement – *Member* August 2016 – present

▪ Represent W&M students and interact with alumni at university advancement events

▪ Invited by Mike Tierney, director of the Institute for Theory and Practice of International Relations

Pi Mu Epsilon (Math Honor Society) – *Member* July 2015 – present

▪ Presented on practical machine learning applications