Ivan Echevarria

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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