IVAN ECHEVARRIA

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education

College of William & Mary, Williamsburg, VA
B.S. Computer Science
B.S. Applied Mathematics, Statistics concentration

anticipated graduation: May 2018
GPA 3.79

Dean's List
James Monroe Scholar

Fall 2014 – present
August 2014 – present

skills, qualifications, courses

programming languages: Python, C/C++, R, Matlab
tools and software: LaTeX, OpenRefine, AMPL, Git, Office Suite, Lightroom
web: HTML5, CSS3, Bootstrap
areas of expertise: software development, machine learning, data science, probability, statistics, computer vision

relevant courses: Principles of Program Languages (Python, C/C++), Data Analysis (R), Big Data Analytics (R), Probability (R), Computer Organization (C, Assembly), Data Structures (Python)

experience

AidData, Williamsburg, VA
Data Team Research Assistant   May 2016 – present
▪ Managed a web scraper to pull articles from Factiva; scraped and classified 1M+ articles as aid-relevant or not
▪ Modified the scraper to increase stability and speed 4x; built online dashboard to increase ease-of-use
▪ Tools used include Python, Selenium, PhantomJS, and OpenRefine

College of William and Mary, Williamsburg, VA
Research Assistant   June 2015 – present
▪ Use machine learning to classify 50,000+ images of eyes as healthy or sick
▪ Collaborate in a team of 4 to extract features using state-of-the-art computer vision techniques
▪ Tools used include Python, Matlab, R, Bash, OpenCV, and LaTeX

Bonsai, Washington, DC
Data Scientist   April 2016 – June 2016
▪ Developed feature extraction for EEG wave classification

AidData, Williamsburg, VA
Uncertainty Team Research Assistant   March 2016 – May 2016
▪ Collaborated with 3 other researchers to estimate measurement error in aid-related geospatial data

Miracle Shred, San Mateo, CA
Hard Drive Dismantler   June 2013 – July 2013
▪ Disassembled hard drives and destroyed their platters to keep client information safe

activities

The Gadfly – College of William and Mary - *Founding Member*   October 2015 – present
Makerspace – College of William and Mary – *Member*   September 2015 – present
Math Club – College of William and Mary – *Member*   July 2015 – present