

Ivan Echevarria

Machine Learning Engineer

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www.echevarria.io

San Mateo, CA

Languages Python - Node.js/JavaScript - SQL - Go - HTML/CSS - C/C++ - Java

Tools AWS - GCP - Git - Linux - Docker

Skills Software Engineering - Data Science - API Design - Machine Learning

Experience

SetSail

09/2018 - present

- Engineer new features for core ML models; tune ML models to improve user experience
- Build secure, privacy-sensitive, GDPR-compliant services to ingest and process confidential data
- Work with engineers and data scientists to enhance ML pipeline robustness despite rapid iteration
- Tech: Python, Node.js, AWS (S3, Athena, ECS, SQS), PostgreSQL, Presto

CarMax

06/2017 - 08/2017 (*internship*)

- Boosted profit by \$6 million+ per year by using machine learning to set better car prices
- Analyzed and leveraged external data to improve core pricing models
- Tech: Python, SQL, MongoDB

AidData

04/2016 - 08/2016 (*internship*)

- Saved \$150,000+ by using NLP to automate analysis on more than 2 million documents
- Collected articles relevant to AidData 5x faster by optimizing existing services
- Tech: Python, JavaScript, R

William & Mary Department of Mathematics

06/2015 - 07/2015 (*internship*)

- Used machine learning and image processing to classify disease progression in 80 GB of images
- Accelerated image processing 20x by rewriting scripts to run on a supercomputer cluster
- Tech: Python, MATLAB, R

Projects

Reply Only ([link](#)) collaborative photo sharing platform with a RESTful API written in Go and a front end built with Vue.js; deployed to GCP

Ray Tracer JS ([link](#)) 3D ray tracer renderer with shadows and reflections written in JavaScript

More projects at www.echevarria.io/code

Education

William & Mary - graduated 2018 *summa cum laude* (GPA 3.85)

B.S. in Computer Science with a minor in Applied Mathematics

Honors

Phi Beta Kappa Awarded to top 7% of graduating seniors

Bob & Debbie Noonan Award Awarded to 2 seniors for excellence in CS applications

James Monroe Scholar Awarded to top 10% of incoming freshmen