Ivan Echevarria
Software Engineer / Data Scientist

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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 - Machine Learning - NLP

Experience

SetSail
09/2018 - present
- Work with data from end to end, from data ingestion to ETL to model training and deployment
- Build user-facing features for the core product using NLP
- Collaborate with engineers and data scientists to scale ML pipeline
- 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	collaborative photo sharing platform with a RESTful API written in Go and a front end built with Vue.js; deployed to GCP
Lego Face VAE (link)	deep neural network that generates images of Lego faces
Ray Tracer JS (link)	3D ray tracer renderer with shadows and reflections written in JavaScript

More projects on my personal site (link) and on GitHub (link)

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