

Ivan Echevarria

Software Engineer / Data Scientist

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San Mateo, CA

Experience

SetSail - Software Engineer, Data Science

09/2018 - present

- Lead efforts to use NLP to build core functionality in SetSail's **Discover** and **Accelerate** products
- Optimize SetSail's **Collect** product to prepare for 10x scaling and add privacy features
- Collaborate with the SetSail product team and customers to develop a new use case
- Work with data from end to end, from ingestion to ETL to model training and deployment
- Enhance team efficiency by mentoring junior data scientists, promoting best practices including linting and testing, and building easy-to-use internal libraries
- Technologies: Python, Node.js, AWS (S3, Athena, ECS, SQS), PostgreSQL

CarMax - Business Analyst Intern

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

- Boosted profit by \$6 million+ per year by using machine learning to set better car prices
- Combined external data with internal data in novel ways to improve core pricing models

AidData - Research Assistant

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

- Saved \$150,000+ by using NLP to automate analysis on 2 million documents
- Increased system throughput 5x by profiling and optimizing existing services

William & Mary Department of Mathematics - Research Assistant

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

- Used machine learning and image processing to classify disease progression in 80 GB of images
- Accelerated image processing by rewriting scripts to run on a supercomputer cluster

Languages

Python - SQL - Node.js/JavaScript - HTML/CSS - Go

Tools

AWS - GCP - Git - Linux - Docker

Skills

Machine Learning - NLP - Data Engineering - API design - Functional Programming

Projects

Reply Only

single-page application for photo sharing with a REST API written in Go and a frontend built with Vue.js; deployed to GCP

Lego Face VAE

neural network that generates images of Lego faces ([write-up](#), [GitHub](#))

Ray Tracer JS

3D ray tracer renderer with shadows and reflections ([GitHub](#))

More projects on my [personal site](#) and on [GitHub](#)

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 computer science

James Monroe Scholar

Awarded to top 10% of incoming freshmen