Ivan Echevarria  
Software Engineer / Data Scientist

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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

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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

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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](https://www.echevarria.io/blog/lego-face-vae/index.html)) deep neural network that generates images of Lego faces

Ray Tracer JS ([link](https://github.com/iechevarria/ray-tracer-js)) 3D ray tracer renderer with shadows and reflections written in JavaScript

*More projects on my personal site (*[*link*](https://www.echevarria.io/index.html)*) and on GitHub (*[*link*](https://github.com/iechevarria)*)*

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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