Ivan Echevarria

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San Mateo, CA

Experience		
Ladder Life – Software Engineer		2021-04 – present

- Building Ladder's core underwriting platform using Clojure

SetSail – Software Engineer, Data Science — 2018-09 – 2021-02

- Used NLP to build core features in SetSail's Discover and Accelerate products
- Optimized SetSail's Collect product for 10x scaling and added privacy features
- Collaborated with the SetSail product team and customers to develop custom use cases
- Worked with data from end to end, from ingestion to ETL to model training and deployment
- Enhanced team effectiveness by mentoring junior data scientists, promoting best practices including linting and testing, and building easy-to-use internal libraries

CarMax – Business Analyst Intern — 2017-06 – 2017-08

- 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 — 2016-04 – 2016-08

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

W&M Department of Mathematics – Research Assistant — 2015-06 – 2015-07

- 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

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Languages	Python - Clojure - C - SQL - JavaScript - HTML/CSS
Technologies	AWS (S3, Athena, ECS, SQS) - GCP - Git - Linux - Docker
Skills	Functional Programming - Machine Learning - NLP - Data Engineering

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Projects		
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

Courses

Recurse Center – Spring 1 2021

Bradfield School of Computer Science – Computer Architecture, Operating Systems