Mikhail Golubitsky

Programmer   https://**golubitsky.github.io/ml-blog**

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EXPERIENCE

Asia, Nepal, India — *Traveler*

OCTOBER 2017 - JANUARY 2018

I flew to Nepal to **explore the Everest region**. I remained in Kathmandu for a month to **volunteer to teach topics in Computer Science** to 6th–9th grade students. I **attended the teachings of the Dalai Lama** and **studied Machine Learning in a hostel** before returning to the US at the end of January to continue my studies.

Tesla (SolarCity), San Francisco, CA — *Software Engineer*

JULY 2015 - OCTOBER 2017

I was responsible for the key subsystem that has been used to estimate the amount of energy a given solar panel array will produce.

There were 3 primary use cases:
1. The latest version of the system has been used across a range of internally-maintained sales and design software.

2. We designed for backwards compatibility: in order to avoid confusing customers, if the algorithm has been modified since last contact with a given customer, software that uses the algorithm should continue to use the previously used version of the algorithm. Geographic special cases.

3. As a result, the data science team has been able to reference, analyze, and introduce changes to the estimation algorithms as needed.

Our team implemented an agile scrum process. My colleagues and I regularly reviewed each others' designs and implementations.

EDUCATION

Data Science MOOCs, Online

JANUARY 2018 - PRESENT

Machine Learning, Andrew Ng, Stanford/Coursera
Statistics & Probability, Stanford/Lagunita

App Academy, San Francisco, CA — *Software Development*

DECEMBER 2014 - MARCH 2015

Immersive "bootcamp" to learn to build web apps with emphasis on best practices, patterns, and data structures and algorithms

UMass Lowell, Lowell, MA — *Sound Recording Technology*

SEPTEMBER 2003 - MAY 2008

Graduated Cum Laude; coursework including Calc I/II, Physics, Acoustics, Computer Science, Music, Critical Listening, and Media Production

CORE COMPETENCIES

LANGUAGES C#, Ruby, JavaScript, Python, SQL

FRAMEWORKS ASP.NET Web API, .NET Core, Rails, React, Flask

INFRA SQL Server, Docker, Jenkins, Kubernetes, Splunk, RabbitMQ

OTHER Git, Bitbucket, Jira, Jupyter Notebook, HTML, CSS, JSON, REST, TDD

HOBBIES Piano, Backpacking, Hiking, Reading, Chess, Functional Programming (Haskell/Clojure)

BEFORE TECH

As a recording engineer in classical and acoustic music I recorded over 500 performances across the US and assisted on commercial recordings of the L.A. Philharmonic and L.A. Opera.

AWARDS

SolarCity Technology Award
APRIL 2016

"Given annually to our best engineers and inventors. You've brought SolarCity new ideas, improved upon old, and challenged convention. And in the process, you've helped us take a meaningful step toward a sustainable future."

VOLUNTEERING

Taught web dev skills at 6 **RailsBridge** workshops in San Francisco from 2015 to 2017