


# David Grossman

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 2gotgrossman

**OBJECTIVE:** To work in a collaborative team and build data- and Machine Learning-centric products.

## EDUCATION

**University of Miami, Coral Gables, FL — B.S. Computer Science & Mathematics** MAY 2015 - May 2019

- Minor in Physics, Stamps Leadership Scholar, all-expenses paid merit scholarship **GPA 3.96**

## EXPERIENCE

**Coursera, Inc., Mountain View, CA — Software Engineer Intern** MAY 2018 - AUGUST 2018

- Redesigned and optimized Coursera course landing pages by simplifying data models, added caching for GraphQL queries, and added support for translations leading to a 2x speedup
- Built GraphQL RESTful APIs in Scala to drive top-of-the-funnel growth in a microservice architecture
- Added the ability to upvote course reviews to all future reviews and over 2 million existing reviews

**Center for Computational Sciences, Key Biscayne, FL — Software Intern** DECEMBER 2017 - MAY 2018

- Worked closely with geophysicists to implement good software practices in their current codebase: Logging, backwards and forwards compatibility concerns, writing modular code, and code review
- Wrote distributed code for volcano deformation data collection and analysis in Python

**Deep Learning Research, Coral Gables, FL — NSF REU Fellow** MAY 2017 - SEPTEMBER 2017

- Used Deep Learning models to analyze internal the relationship between artificial neural networks and the brain
- Explored the effects of generative networks on Tensorflow image recognition models via object recognition

## PROJECTS & ACTIVITIES

**Hybrid Motor Rocket Competition — Project Manager** SEPTEMBER 2015 - MAY 2016

- Co-led group of 25 students in designing and engineering a rocket
- Won 3rd place in Florida-based competition after rebuilding rocket in 3 days due to test launch failure

**Institute of Electrical and Electronics Engineers (IEEE) — President** JANUARY 2017 - MAY 2018

- Taught course to members on the skills of a top-end software engineer and preparing for technical interviews
- Organized UM hackathon, UHack, for 250+ students (MLH-sponsored event) and raised \$10,000

**Data Science Independent Study** SEPTEMBER 2017 - DECEMBER 2017

- Investigated a 50GB Yelp dataset with Python (Pandas + Matplotlib) and explored network effects amongst reviewers.

**Smart Personal Assistant** JANUARY 2018 - MAY 2018

- Investigated a 50GB Yelp dataset with Python (Pandas + Matplotlib) and explored network effects amongst reviewers.

**HACKATHONS** PennApps Fall 2017 (JPMorgan Prize, Top 10), MHacks (Best IoT hack), PennApps Spring 2018

**LANGUAGES AND SKILLS** Scala • Python • Java • Haskell • TensorFlow • Apache Spark • C/C++ • Fluent in Spanish



