


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

- Built a personal assistant that schedules your day from planned calendar events and TODO tasks using Trello and Google Calendar integration. The personal assistant handles incomplete tasks and reschedules your calendar accordingly.

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