

MIRO FURTADO

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Profile

Quick learner with graduate level work in machine learning and scientific computing. I'm interested in a position that will let me leverage my math and computer science knowledge to solve real-world problems.

Education

Harvard College

A.B. in Applied Math: Scientific Computing, GPA: 3.95

2016-2020 - Cambridge, MA

Named a Harvard College Scholar (Top 10% of class) and nominated for the Wendell Prize (Top of Sophomore Class)

Woodrow Wilson High School

GPA: 4.52

2012-2016 - Washington, D.C.

Relevant Coursework

Machine Learning

- CS 287r:** Deep Natural Language Processing
- CS 281:** Graduate Machine Learning
- AM 216:** Inverse Problems
- Stat 139:** Linear Models

System Design

- CS 61:** Systems Programming and Machine Organization
- CS 51:** Abstraction and Design in Computation
- CS 124:** Data Structures and Algorithms

Data Analysis

CS 91R: Data analysis project with the Director of Harvard's Shorenstein Center for politics exploring the influence of money in politics.s
AM 205: Advanced Scientific Computing

Technical

Python

C++

HTML/CSS

React+Redux

Git

Pytorch

Tensorflow

Numpy/Pandas

*nix

Experience

Hoffman Lab

Researcher

2017-Present

Used optimization and machine learning techniques to characterize surfaces from raw data.
Revamped codebase for Scanning Tunneling Microscopy image processing.
Redesigned lab website.

BluebonnetData

Data Analyst

Fall 2018-Present

Led team in building campaign finance data visualization product.
Built module for campaign finance analysis used by political campaigns in Texas.

Program for Research in Science and Engineering (PRISE)

Fellow

Summer 2018

Awarded this selective residential fellowship, a community of 50 young scientists living in a "research village."

Coding It Forward Pipeline Intern

Internal Revenue Service, Project Management

Summer 2017

As a "civic tech" intern, I helped coordinate development and rollout of IRS WebApps "Online Account" program.