

# Phillip Kuznetsov

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Berkeley, CA 94720  
[philkuz.com](http://philkuz.com)  
[github.com/philkuz](https://github.com/philkuz)

## EDUCATION

### University of California Berkeley

#### *Electrical Engineering and Computer Science*

AUGUST 2015 - PRESENT

GPA: 3.925

Relevant Courses: Foundations of Data Science, Structure and Interpretation of Computer Programs, Algorithms and Data Structures, Discrete Mathematics and Probability, Machine Learning

## EXPERIENCE

### Machine Learning at Berkeley

#### *Founder/Director of Research*

DECEMBER 2015 - PRESENT

Founded Machine Learning at Berkeley with the aim of creating an undergraduate community of Machine Learning enthusiasts. Research division is dedicated towards student run ML research projects in a formal environment. Oversaw the initiation of 5 projects in MLAB's first semester.

### Evans and Sutherland, Salt Lake City, UT

#### *Software Engineer Intern*

JUNE 2015 - AUGUST 2015

Worked with the Digistar Digital Theater engineering team which updates and upkeepes fulldome astronomy presentation software. Wrote utilities and DirectX shaders that are included in the Digistar software package.

## ON-GOING PROJECTS

### OpenBrain

#### *Software Project Manager*

Theoretical neuroscience simulation focusing on emergent intelligence under a massive asynchronous environment. Average 20 hrs/wk reading papers, developing algorithms, and writing code. Leading a team of 10 software developers.

## PAST PROJECTS

### Functional Neural Network (2015)

#### *Novel Machine Learning Algorithm*

Derived a new machine learning algorithm using analysis techniques on an artificial neural network. Uses the idea of functional interpolation to more easily handle continuous input. 2015 Intel ISEF Finalist, received award from the Association for the Advancement of Artificial Intelligence.

### Gene Engine (2014)

#### *Biocomputational Library*

Developed a library that allows for prototyping models dependent on sexual selection. Used to evaluate the role of MHC genes primarily responsible for pathogen immunity in sexual selection.

Other projects available at [github.com/philkuz](https://github.com/philkuz) and [philkuz.com](http://philkuz.com)

## PROGRAMMING LANGUAGES

Python  
Javascript / HTML / CSS  
Java  
Erlang  
C# / C++ / .NET

## TECHNOLOGIES

IntelliJ  
AngularJS  
Ruby on Rails  
Django  
Flask  
DirectX  
Postgres  
Mathematica  
Visual Studio  
Google App Engine  
Heroku

## OPERATING SYSTEMS

OS X  
ArchLinux  
Ubuntu  
Windows

