Phillip Kuznetsov

First Year EECS Major - Class of 2019

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EDUCATION

University of California Berkeley — *Electrical Engineering and Computer Science*

AUGUST 2015 - PRESENT

Relevant Courses: EE16A *Designing Information Devices and Systems I,* CS61A *Structure and Interpretation of Computer Programs,* CS94 *Foundations of Datascience.*

EXPERIENCE

DB Tech, Salt Lake City — *Developer/Researcher*

JUNE 2013 - PRESENT

Project building team consisting of myself and two close friends. Projects ranged from web-development to machine learning. Entered projects in various competitions including Intel ISEF.

SELECTED PROJECTS

Mammogram-Trained Neural Network (2014)— *An application of the Neural Network algorithm*
Applied the feed-forward neural network algorithm on a database of mammogram images. Achieved an accuracy of 80% on the testing dataset.

Functional Neural Network (2015)— *Novel Machine Learning Algorithm*
Derived a new machine learning algorithm using functional analysis techniques on an artificial neural network. Board located at philkuz.com/#/projects/fnn. Qualified for Intel ISEF 2015 and received honorable mentions from AAAI and ASA.

Evans and Sutherland, Salt Lake City, UT — *Software Engineer Intern*

JUNE 2015 - AUGUST 2015

Worked with the Digistar Digital Theater engineering team which creates astronomy software for use in fulldome theaters. Wrote DirectX shaders and utilities for use with the Digistar software suite.

PROJECTS

Gene Engine— *Computational Simulation on the Emergence of Immune- Based Sexual Selection*

Modeled the emergence of Major Histocompatibility Complex based Sexual Selection within a simulated environment of parasites and organisms.

Other projects located at github.com/philkuz and philkuz.com

PROGRAMMING LANGUAGES

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

TECHNOLOGIES

EmberJS / AngularJS
NodeJS
Bootstrap
DirectX
Django
Postgres
Mathematica
Visual Studio
Google App Engine
Heroku

OPERATING SYSTEMS
OS X
Linux
Windows

LANGUAGES

English *(Native)*
Russian *(Home Language)*
Mandarin Chinese *(Beginner/Intermediate)*