

Evan Phibbs

Software Engineer | Machine Learning Researcher

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ephibbs.github.io

Hello! I am a curious, hard-working student looking for a full-time position in computer science and machine learning.

Experience

Cognitive Systems Research Intern

IBM Center for Cognitive Computing Research
Nov. 2016 - Present

Project: Research new methods to improve the training of artificial neural networks in machine learning

My Role: Implementing a CNN in Tensorflow and testing novel methods of parameter initialization

Skills: Convolutional Neural Networks, Deep Architectures, Theano, Tensorflow, Python, PIL

Software Development Intern

Booz Allen Hamilton
Summer 2016

Project: Design a software platform to improve interorganizational cooperation during disaster relief

My Role: Implemented blockchain and mesh networks, did market research, contributed to marketing presentation, and co-presented to leadership in McLean, VA.

Skills: Java, Sockets, Mesh Networks, Blockchain, Bluetooth

Machine Learning Research Intern

UIUC AI Lab
Jan. 2015 - Dec. 2015

Project: Create an algorithm for automating discovery of "interesting" data in large scientific datasets,

My Role: Extended algorithm using nonlinear dimensionality reduction

Skills: Matlab, Research, Statistics, Theano

Research Intern

UC San Diego
Computer Vision Lab
Summer 2014

Project: Program a turtlebot to determine if a class of objects has been seen before.

My Role: Coded and trained a convolutional neural network to recognize objects in front of a camera

Skills: Python, Caffe, Scikit-learn, ROS, Research

Education

University of Illinois Urbana-Champaign

Fall 2014 - Spring 2017

Major: Engineering Physics

Minor: Computer Science

GPA: 3.61

Awards: University Achievement, James Scholar

Clubs: Automata Robotics Club: Co-Founder, Treasurer

Projects

LSTM Neural Network Project

Personal Project

Project: A LSTM network to find patterns in different mediums such as shakespeare and stock prices

Role: Implemented the LSTM recurrent neural network, trained using AWS

Skills: Theano, AWS, Multithreading, RNN

Neural Prosthetics Project

Team Engineering Competition 2015

Project: Allow a user to fly a 3D printed quadcopter using a neural headset

Role: Project leader, coded an algorithm to decode neural signals and control a quadcopter over Xbee

Skills: Python, Xbee, 3D Printing, Robotics, 3rd place at University of Illinois Engineering Open House

Investing

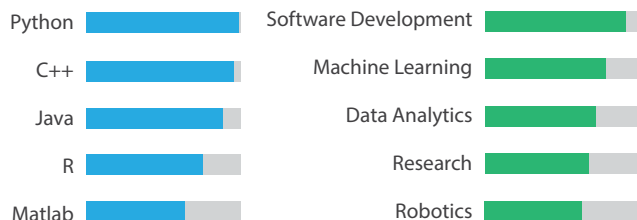
Personal Project

Project: Automatically download and store intraday data to test trading strategies, taken coursera course

Role: Built a computing cluster on top of Hadoop, wrote python script to efficiently store data from financial data providers daily

Skills: Python, MongoDB, Hadoop, distributed systems, statistics, financial engineering

Top Skills



Hobbies



Piano



Running



Photography



Machine Learning



Puzzle Games