Dylan Visher

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Education

Yale University, Class of 2016:
Expected *BS in Computer Science*; **GPA: 3.85**
Awards: *Yale College Freshman Summer Research Fellowship in the Sciences and Engineering*

Viewpoint School, Class of 2012: **GPA: 3.98** (unweighted)
Cum Laude, Departmental Awards in Computer Science, Physics, History, …

Experience:

No Spoilers Please: Summer 2014 — Present (nospoilersplease.appspot.com)
Built Browser Extension that blocks out spoilers from web content
Constructed frontend using Javascript and Backend using Google Appengine, Managed VMs and Go
Experimented with learning algorithms for classification (logistic regression, neural networks, Naive Bayes)
Heavily Optimized for browser rendering speed as well as low network usage
Mines Data from Twitter, IMDB and Wikipedia3

Cofounder of WeCode, Yale Computer Science Organization: September 2013 — Present
Help students acquire skill and tools necessary for Computer Science in a collaborative environment
Teach students good practices in Scheme and C
Create a community of people interested in Computer Science and Technology

Yale Social Robotics Lab: Directed by Professor **Brian Scassellati**
Robotic Task Acquisition- Aug 2013 – 2014
Worked on a Graph-Discovery program for Robotic Task Acquisition (paper in review)
Object Tracking System- Jul. 2013 – Aug. 2013
Developed system for real-time object tracking using point-data from a PhaseSpace tracking system
Constructed web interface for the object-tracking server.
Integrated into a larger graduate-project for Social Hierarchical Learning.
Applied best practices with git version control and unit testing

Viewpoint School Computer Science Lab: Directed by **Dan Anderson**
Bond Graph System Analyzer- Sept. 2010 – Jun. 2011
With two co-workers, built a program to solve behavior of physical system using its bond-graph.
Designed DSL for bond-graph diagrams
Constructed graphical and mathematical interpreters to solve a system of equations
Distributed workload over several computer on local network
Video Camera Smart Board- Sept. 2009 – Jun. 2010
Built a smart camera that recognizes user hand position and touch
Constructed a Neural Network to analyze transformed images from camera feed
Networked several computers to wirelessly interface with camera

Other Projects Include: Compiler for Tiger Language, Neural Networks for Handwriting Recognition, Data Mining and Fuzzy Logic for Stock Market Analysis, LZW, Genetic Algorithms, TCP protocol for multiplayer game, Image Noise Reduction with Multi Photo Rectification and Overlay

Github: https://github.com/dyv
Website: http://dyv.github.io

Activities:

SPLASH: Teach classes to local middle and high school students
Summer 2013: "Expressibility through Poetry", Spring 2014: Taught Algorithms
Rowing: 2007-2012: Marina Aquatic Center - Captain 2012, 1st place at Nationals 2010
Peer Tutor: Hold office hours to help students with their coursework
2014: Peer tutor for Data Structures and Programming Techniques
DSAC: Departmental Student Advisory Committee for Computer Science
2014: One of 5 members, elected by peers

Languages:

Advanced: C/C++, Racket, Go
Intermediate: Python, SML, Matlab