Abhi Agarwal - github.com/abhiagarwal

Technical Skills	**Excel in**: Python; Go; Javascript & Node.JS; **Experience with**: PHP; C#; C; C++; Java; Mathematica; R; Nginx; Apache Cassandra, ActiveMQ, HTTP Server, log4j; Git; MySQL; MongoDB; Postgres; Redis; Docker; Puppet; CircleCI/TravisCI/Jenkins; AngularJS; Bash;
Coursework	Compiler Construction, Computing with Large Datasets, Database Systems, Algorithmic Problem Solving, Algorithms, Artificial Intelligence, and Simulations.

Selected Professional Experience

BuzzFeed as a hackNY fellow, Software Engineering Intern on the Ads team, New York, NY   May-July 2015
- Designed and implemented the backend of a platform that builds reports from the Ads data.
- Packaged the system as a Django extension to allow any team at BuzzFeed to embed a report builder into their application.
- Contributed to open-source technologies such as django-report-builder.

NYU Residential and Housing Department, Software Engineer, New York, NY Jan-May 2014
- Part of a team who built the next residential and housing platform at New York University using a C# & MSSQL stack on the back-end and Javascript on the front-end. Simplified housing process for students and administration at NYU.

Selected Projects

Side-project, ra   Fall 2014-Summer 2015
- Building a language for web-application generation. Given the most simplistic syntax and minimal number of lines generate a powerful web-server. Ra adds optimizations and correct practices to web-applications. Ra is built ontop of Go with C bindings.

Side-project, gif.gallery, built at BuzzFeed HackWeek   Summer 2015
- Prototyped a GIF search engine that could understand natural language search.
- Used a variety of methods to tag and classify images (such as object detection, scenery detection, etc.) using Caffe, and used a couple APIs (Watson, Clarifai, etc.) to validate and generate more tags. Built primarily in Python and C++.

Side-project, Context   HackPrinceton Fall 2014
- Given an article from a popular newspaper provide context, such as sentiment data, images, and key entities to create a more informed and efficient reading experience. Won Bloomberg Prize.

Education

Bachelors of Art in Individualized Study at Gallatin, New York University.
Thesis: 'Creation of Artificial Intelligence' focusing on Computer Science, Artificial Intelligence, Ethical Theory, and Philosophical Theory.

Selected Achievements and Activities

hackNY fellowship, summer 2015.
Tech@NYU - E-Board, 2012-ongoing. Incharge of: HackDays, and DevOps.
Duke of Edinburgh Award. Gold: Mt. Everest Base Camp. Silver: Mt. Kinabalu.