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;
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, New York, NY May-July 2015

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.

MedConsult, Software Engineering Intern, Bangkok, Thailand Jan-Aug 2011
- Part of team in the development of an expert system for diagnosing diseases.
- Designed the client-side API, using Play in Java, to allow projects to utilize the medical database, and allow the use of external parameters for the expert system.

Selected Projects

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.
- Used over 15 APIs to create this platform as well as an online KMeans, sentimental analysis algorithms, and image recognition.

Learnt.io, Side-project May 2014-Present
- Building an artificial neural network to link information together using Wikipedia as a graph API, and to use this knowledge to give future suggestions on what things to learn.

Nexious Medical, Lead Developer Jan 2012-Aug 2013
- Designed a machine learning algorithm, in Java, that implemented MedConsult's medical database to predict diseases individuals could have at altitudes above 2,500 meters with different conditions.
- Developing a wearable device that would allow the user to enter his condition on a mobile app to facilitate in diagnosis.

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 - For Gold Award – climbed until Mt. Everest Base Camp in 2011, and for Silver Award – reached summit of Mount Kinabalu in 2010.