

Abhi Agarwal - github.com/abhiagarwal

Technical Skills	<ul style="list-style-type: none">- Excel in: Python; Go; Javascript & Node.JS; C++;- Experience with: PHP; C#; C; Java; Apache Git; SQL/MYSQL; MongoDB; Redis; Nginx; Linux; SocketIO;
Selected Professional Experience	<p>Software Engineer, NYU Residential and Housing Department, New York, NY Jan-May 2014</p> <ul style="list-style-type: none">• 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. <p>Software Engineering Intern, MedConsult, Bangkok, Thailand Jan-Aug 2011</p> <ul style="list-style-type: none">• 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	<p>Side-project, Context HackPrinceton Fall 2014</p> <ul style="list-style-type: none">• 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.• Used over 15 APIs to create this platform as well as an online KMeans, sentimental analysis algorithms, and image recognition. Won Bloomberg Prize. <p>Side-project, Learnt.io May 2014-Present</p> <ul style="list-style-type: none">• Platform too allow people to 'store' things they learn as a part of their knowledge map, and relate that knowledge in the future. Built on NodeJS and MongoDB.• Building an artificial neural network to link information together, and to use this knowledge to give future suggestions on what things to learn. <p>Lead Developer, Nexious Medical Jan 2012-Aug 2013</p> <ul style="list-style-type: none">• Designed a machine learning algorithm, in Java, that implemented MedConsult's medical database to predict diseases individuals could have at altitudes above 2500m with different conditions.• Developing a wearable device that would allow the user to enter his condition on a mobile app, and the wearable device would facilitate in diagnostics with information on the user's altitude, blood pressure, and temperature.
Education	<ul style="list-style-type: none">- Bachelors of Art in Individualized Study at Gallatin, New York University.- Thesis: "Engineering Creation" focusing on Computer Science, and Artificial Intelligence.- Selected Classes: Artificial Intelligence, Graduate Compiler Construction, Machine Learning, Simulations, Basic Algorithms, and Computing with Large Datasets.
Selected Achievements and Activities	<ul style="list-style-type: none">- Tech@NYU - E-Board, 2012-ongoing. Incharge of: HackDays.- 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.