

ABHI AGARWAL

PROGRAMMER, HACKER & STUDENT

SELECTED PROFESSIONAL EXPERIENCE

MEDCONSULT, INTERN, THAILAND, JAN 2011-AUGUST 2011

Part of team in the development of an expert system for diagnosing diseases.

Designed the client-side API to allow projects to utilize the medical database, and allow the use of external parameters for the expert system.

Developed a simulation, in Java, to calculate the acceleration of disease diagnostics due to an increase in funding for protein mapping, which allowed the company to cutback 31% of their costs on protein-mapping based research.

HABLESS, FOUNDER & CEO, THAILAND, JAN 2005-MARCH 2009

Created a platform on a PHP/MYSQL stack, at age 12, which allowed over 32,000 unique visitors per month, to listen to live music, discuss games, and interact.

Licensed the back-end system to 62 clients at \$150 dollars a year, and also raised over \$10,000 of profit through sponsorships and advertisements.

APTECH, INTERN, THAILAND, JUNE 2011-AUGUST 2011

Worked with 3 companies to develop a comprehensive suite of server-side and client-side tools for jewelry management on a Visual Basics.NET/PHP/MYSQL stack. On average, for all 3 clients, this cut 13% cost and increase revenue by 4%.

SELECTED PROJECTS

NEXIOUS, THAILAND, JANUARY 2012-ONGOING

Designed a machine learning algorithm, in Java, that implemented MedConsult's medical database to predict diseases individuals could have at different altitudes with different conditions.

Currently 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.

DUBSIT, AUGUST 2013-ONGOING

Rethinking the way individuals search social content online, and creating a platform that ranks output from Social Media websites (Reddit, Quora, Pinterest, Tumblr, Twitter, bit.ly, etc.)

Designing Machine Learning, and Ranking algorithms, in Python, that rank content based on the statistics (upvotes, comments, shares, etc) from Social Media websites.

EDUCATION

NEW YORK UNIVERSITY, SOPHOMORE, AUGUST 2012-JUNE 2016

Classes: Data Structures, Computer Systems Organization, [Machine Learning](#), Basic Algorithms, Discrete Mathematics, and Dealing with Data.

Bachelors of Art in Individualized Study; Concentration in Computer Science, Mathematics, Engineering, and Education.

PERSONAL

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University [New York University](#)

TECHNICAL SKILLS

PROFICIENCY IN

Python (Tornado, Flask, Django); PHP; Javascript & Node.JS; Java; Git, SVN; SQL/MYSQL; Unix & Linux; HTML/CSS;

EXPERIENCE WITH

Backbone.JS & jQuery; C; C++; GoLang; Objective-C (iOS); Android; Redis; MongoDB; Apache/Nginx; Visual Basics.NET; Ruby & Ruby on Rails;

COMPLETED PROJECTS

[WhatupNYU](#), [Phys.JS](#), [BridgeMe](#), [Computer Security](#), [Zeus](#)

SELECTED ACTIVITIES & ACHIEVEMENTS

[Tech@NYU](#)

E-Board, 2012-ongoing. Currently: [HackDays](#) & [Freshman Circuit](#)

[Duke of Edinburgh](#)

Gold Award, Mt. Everest Base Camp, 2011
Silver Award, [Mount Kinabalu](#), 2010

[TED](#)

[TEDxBangkokPatanaSchool](#), co-organizer, 2011-2012

[TEDActive](#), attendee, 2013

[TechEX Thailand](#)

Speaker, titled: "My Journey through Computer Science", 2012

[Photography](#) - [abhi.co/photo](#)
[Tumblr](#), 500px