BHARAT BATRA

8040 Camino Kiosco, San Diego, 92122 ‖ (510) 517-1503 ‖ bbatra@ucsd.edu

EDUCATION
B.S. Computer Science   Overall GPA: **3.71**
U.C. San Diego, September 2012- June 2016

WORK EXPERIENCE

RockMyRun   [November 2013 – July 2014; current (as a contractor)]
Software Developer
- Worked on back end maintenance of company database through php and mysql
- Created systems for employees to interact with mysql database in real time using php, javascript and jquery
- Analyzed the data obtained to understand user behavior and created marketing strategies based on analyses to promote app
- Created the front end of some pages on the rockmyrun website using CSS and HTML

Rupee Power   [August – September 2013]
Software Developer
- Created back-end software for an online referral platform using PHP
- Created a script for third party inclusion of company's referral service using JavaScript

Fashion And You (E-commerce Platform)   [June -- July 2013]
Mobile App Designer
- Conducted market research and surveys in order to understand customer's needs with respect to a mobile app
- Created new architecture for mobile shop to work in tandem with the company web shop
- Developed new app features such as gamified shopping and virtual trial rooms

EdBrand (Education Counseling Platform)   [April 2012 -- June 2012]
Web Developer
- Created company website and related pages using HTML, CSS, and SquareSpace and integrated with Social Media Websites
- Managed social media pages and revised social media marketing strategies

RELEVANT SKILLS
Java; C; C#; C++; Python; PHP; HTML; CSS; Twitter Bootstrap; ASP; JavaScript; jQuery; Angular.js; Node.js; Maven (jersey); MongoDB; mysql; SQL; WordPress; SquareSpace; Android Programming; Web Scraping; Flash Animation; MS Access; Microcontrollers (Arduino); SQL; UNIX; Visual Basic; Visual Suite (VC++/VB Script); XNA Game Studio; 2D/3D Game Programming (Using C# and XNA)

EXTRACURRICULAR PROJECTS & CONTRACT WORK

Course: Mechatronics Engineering summer course at Stanford University (EPGY).
Project: Built and programmed a line following robot which could sense and attack targets along the route, using an Arduino Uno. The programming was done through C.

Web Scraping (freelance)
Created a web scraping script to acquire marketing data from websites such as manta.com. The data was persisted in mongoDB and auto-updated when the script was run again to ensure that we can always get new data if the site gets updated.

Loan Calculator (freelance)
Used angular.js, HTML, bootstrap, CSS and jquery to create an amortized mortgage analysis and loan calculator with multiple options for a financial tracking company - Lions Wealth Group.
This can be viewed at http://lionswealthgroup.net/lwg/member/loanCalculator

RELEVANT COURSEWORK
- Introduction to Computer Science and Object Oriented Programming: Java
- Basic Data Structures and Object-Oriented Design
- Tools and Technique Laboratory
- UNIX Lab
- Computer Organization and Systems Programming
- Algorithm and System Analysis
- Software Engineering
- Usability and Information Architecture
- Computer Programming/Arts
- Principles of Operating Systems (planned for Winter 2015)
- Components and Design Techniques for Digital Systems (planned for Winter 2015)

ADDITIONAL LANGUAGES: Hindi, French (Read and Write, basic conversational)
ELIGIBILITY TO WORK IN THE UNITED STATES: **YES**   CITIZENSHIP STATUS: U.S. Citizen