Aditya Bhargava

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Skills

Languages and Frameworks

C, C++, C#
Java
Javascript – AngularJS, Node.js
Python 2
PHP – Laravel
HTML, CSS – Bootstrap
SQL

Cloud Services

OpenStack – Swift API
AWS
Google's Cloud SQL
Heroku

Databases and Web Dev tools

MySQL, MariaDB
MongoDB
Apache HTTP Server
p5.js

Other Skills

Unity
RESTful Services
AJAX, JSON
Amazon Echo

Courses

CS 225: Data Structures
CS 241: Systems Programming
CS 233: Computer Architechture
CS 498: Virtual Reality

Education

University of Illinois at Urbana Champaign   **Urbana, IL**
Bachelor of Science: Computer Science   May 2019
Dean's List: SPRING 2016, FALL 2016   GPA: 3.75

Experience

National Center for Supercomputing Applications (NCSA)
Dr. Volodymyr Kindratenko   8/16 - Present

- Developing an Object Storage on NCSA's OpenStack service to store research information for the department of Animal Sciences
- Organized the big data collected over many projects on a CentOS VM running on OpenStack using MariaDB.
- Designed a web-interface using PHP/AngularJS to access this information.

Avignon Shipping Co.
Software Intern   6/16 – 7/16

- Formulated a Java Swing application to enter, display and update shipping records using Google's Cloud SQL service and replaced manual filing systems
- Enhanced operational efficiency and reduced storage space by 20%

Wipro
UI Development Intern   6/14 – 7/14

- Designed a dynamic web template using AngularJS.
- Collaborated with HR to create an E-learning platform using this template, significantly reducing training time

Projects

Handwriting recognition   ADSA, University of Illinois

- Used SVM to implement a handwriting recognition application using Scikit-learn in python.

P2P Secure Chat   SIGOPS, University of Illinois

- Coproduced a Peer-To-Peer Secure Chat in C, which used a P2P protocol for secure, decentralized chat between parties.
- Further expanded this project by creating a GUI in GTK+.

Presentable   WildHacks – Northwestern University

- Presentable uses Clarifai's deep-learning API to search personal Facebook images that might be inappropriate to employers.

Foodie   Boilermake – Purdue University

- Developed an Alexa skill that allowed users to immediately receive recipes of their favorite dishes through text. Used MongoDB to store personalized recipes and accessed them by creating a RESTful API using Node.js

Leadership

BUKIT - STARTUP AT UIUC   02/2016 - Present

- Founded a startup called 'Bukit'. Involved creating a social bucket list web-app that allows friends to see, add and comment on your bucket list.

Association of Data Science and Analytics – Senior Member   8/2015 – Present

- Organized, wrote and delivered monthly workshops to students interested in Big Data and Analytics. Topics include: Advanced Python, Machine Learning using Scikit-Learn, Intro to R. Also managed the ADSA Data Summit 2016.
  https://summit.adsauiuc.com/