

Dhruv Rastogi

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Education

University of Illinois at Urbana-Champaign

B.S. in Computer Science

Champaign, IL

Aug 2013 - May 2017

- Data Structures, Algorithms, Distributed Systems, Database Systems, Text Information Systems, Systems Programming, OS Design

Professional Experience

Apple

Software Engineering Intern

Cupertino, CA

May 2016 - Aug 2016

- Developed and tested reusable components in Python to allow multiple applications to pull data
- Self-learned and set up Zabbix to monitor internal web tools, and trained the team on Zabbix
- Created a web application using AngularJS and integrated with Zabbix APIs to display data in a user friendly manner

Knobull

Software Engineering Intern

Providence, RI (Remote)

Aug 2015 - Nov 2015

- Helped develop search engine and learning center using Java

Intelligent Medical Objects

Software Engineering Intern

Champaign, IL

May 2015 - Sep 2016

- Developed C# RESTful Web APIs that received customer's medical terms and sent back IMO's equivalent medical information
- Created C# application that parsed JSON input file into a flat file, stored JSON contents into databases, and notified the team
- Researched, implemented, and taught colleagues the usage of SwaggerUI, class libraries, email client, and JMeter in Web APIs
- Created and executed 30+ unit, system, and performance tests

Innovation Immersion Program

Internal Consultant

Champaign, IL

Feb 2015 - May 2015

- Evaluated Tableau and HeliInnovate software to meet project requirements

The Dow Chemical Company

Systems Engineering Intern

Champaign, IL

Apr 2014 - Dec 2014

- Developed C# application to retrieve, manipulate, and transfer images between multiple databases
- Built C# application that safely transferred images to Azure
- Enhanced an existing C# application to successfully load images into user specified database

Nexval Inc.

Intern QA Tester

Davie, FL (Remote)

Jun 2012 - Aug 2012

- Created and executed 50+ test cases to identify bugs in VQ Audit - a quality assurance product of Nexval Inc.

Technical Projects

Soccer Player Search Engine

- Web application that searched for players and showed similar players based on document indexing from pre-parsed Wikipedia data

Outbreak - HackIllinois 2015 (1st Place IMO Contest / Top 5 Software Hacks)

- Web application that searched for diseases to show number of cases on a map via geolocation based on visualization of big data

Classroom

- Web application that provided upcoming study sessions and recommended courses based on other student's registrations

Arganuat

- Web application that was a product search engine to allow users to find the best deals for products they wanted to buy

Technical Skills

- **Languages:** Python, C#, JavaScript, Java, C, C++, Swift, Haskell, Verilog, MIPS
- **Databases/Frameworks:** SQL, Postgres, MySQL, NoSQL, AngularJS, jQuery, Flask
- **Tools:** TFS, SQL Server, JMeter, Swagger UI, Fiddler, Zabbix, Git, SVN, JIRA, Numpy