

Dhruv Rastogi

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Education

Bachelor of Science in Computer Science, University of Illinois at Urbana-Champaign

May 2017

Technical Skills

- Programming: C#, .NET Framework, JavaScript, jQuery, Swift, KnockoutJS, PHP, Java, HTML, CSS, C++, and C
- Tools: Visual Studio 2013, SQL Server, Eclipse, and Microsoft Visio

Technical Experience

The Dow Chemical Company, IL - Systems Engineer Intern

Apr 2014 – Dec 2014

Raw Image Extraction:

- Worked on an algorithm, using C#, to allow images to be scaled proportionally and transferred to Azure Cloud

Image Loader:

- Identified and fixed over 10 bugs so the application, written in C#, would successfully upload over 500 images into the database

Image Transfer:

- Re-wrote an application, VB.Net to C#, that transferred over 500 data records from one SQL database to another
- Enhanced the application e.g. validate users' SQL connection, perform image manipulation before transferring images, and create debug logs for future testing and production support
- Reviewed existing SQL stored procedures and made changes to fix issues
- Documented all functions in detail and created workflow diagrams using Visio

Nexval Inc, FL - Intern QA Tester

Jun 2012 – Aug 2012

- Created and executed test cases to identify bugs in VQ Audit – a quality control product of Nexval Inc.
- Conducted reviews of the findings following the Software Development Life Cycle (SDLC)
- Re-tested all the bugs to make sure that they have been fixed

Technical Projects

Outbreak (HackIllinois 2015) - Software Engineer

Mar 2015

- Won first place for best usage of IMO's API
- Built a website that uses data visualization on big data by using IMO's API to query over 150 million data records
- Allow doctors to search a disease and see the number of cases narrowed down to zip code over 2014

Innovation Immersion Program, IL – Internal Consultant

Feb 2015 – Present

- Working on big data analysis via different platforms as part of the data team

Classroom, IL - Software Engineer

Sep 2014 – Dec 2014

- Built an application that provides a dashboard with upcoming study sessions and recommended courses based on other student registrations

Argonaut, IL - Software Engineer

Sep 2013 – Oct 2014

- Created database design in SQL Server to store and retrieve information about customer requests on products
- Developed algorithms to email information to customers in an automated fashion

Relevant Activities

Association for Computer Machinery, UIUC - Member

Sep 2013 – Present

- SigMIS group where I am learning the use of distributed computation frameworks and distributed databases
- WebMonkeys SIG group where I learned to implement my skills on web development using .NET Framework