

Dhruv Rastogi

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Education

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

May 2017

Relevant Coursework:

- Intro to Computer Science
- Discrete Structures
- Data Structures
- Database Systems
- Computer Architecture
- Cyber Security I (current)
- Systems Programming (current)

Technical Skills

- Programming: C#, .NET Framework, JavaScript, jQuery, 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 based on user input
- Made sure all images were compatible and safely transferred to Azure Cloud

Image Loader:

- Identified and fixed bugs so that the application, written in C#, would work successfully
- This application allows users to upload images into the database

Image Transfer:

- Re-wrote and enhanced an application that transfers data from one SQL database to another SQL database
- Converted the application from VB.Net to C#
- 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

Classroom, IL - Software Engineer

Sep 2014 – Dec 2014

- Built a platform, using HTML, CSS, JS, JQuery, PHP, and MySQL, that allows students to create study sessions and get recommended courses
- Provide dashboard with upcoming study sessions and recommended courses based on other student registrations

Argonaut, IL - Software Engineer

Sep 2013 – Oct 2014

- Created the website using .NET Framework to capture customer's requests regarding technology products
- Created database design and wrote SQL code in SQL Server to store and retrieve information
- 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