

Richard Tran

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EDUCATION

Rutgers University – New Brunswick, NJ
Bachelor of Science, Computer Science

September 2012 – May 2016
GPA: 3.36

WORK EXPERIENCE

Prudential Financial --- Internal Web Developer Intern

June 2016 – August 2016

- Developed web app for Prudential's Annuities database administration team to centralize server hardware data.
- Used C#, ASP.NET, and jQuery to retrieve data from different servers and display in the browser using AJAX.
- Reduced DBA team's time spent searching for server usage data proportional to number of online servers.

Rutgers University --- Part Time Research Assistant

June 2016 – August 2016

- Assisted Professor Zheng Zhang in researching the benefits and optimizations of using GPUs to process existing graph search algorithms rather than traditional CPUs.
- Analyzed registers and the control flow of NVIDIA C++ CUDA programs assembly code for security risks.

Advanced Systems Concepts --- Technical Support Specialist Intern

May 2015 – August 2015

- Consulted engineers and database administrators from other companies including Subway to optimally use the company's primary product and its API, leading to significantly reduced customer development time.
 - Contributed and maintained documentation of company software's API that customers referenced daily.
 - Investigated customer software and distributed system issues in both development and production environments.
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RECENT PROJECTS

Casual Rifting – <http://devpost.com/software/casualrifts>

- Awarded 'Best Solo Hack' at Rutgers HackRU Spring 2016.
- Developed using C#, Unity 3D's engine, Oculus Rift DK2, and the Oculus Rift API.
- Oculus Rift DK2 virtual reality project that immerses the user to a ride down a track, shoot down an objective, and avoid randomly generated obstacles.

Chess Analysis with Hadoop

- Project written in Java using Amazon's Hadoop to distribute jobs of map, reduce, and combine, using multiple Amazon EC2 distributed virtual systems to analyze hundreds of GB's of competitive chess games stored in PGN files located at <http://www.ficsgames.org/>.
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TECHNICAL SKILLS

- **Programming Languages** --- Java, C#, C, SQL, HTML/CSS, JavaScript, C++
 - **Frameworks** --- ASP.NET, Bootstrap, jQuery, jQuery UI, Node.js
 - **Database Management Systems** --- Microsoft SQL Server, Oracle SQL Databases, MongoDB
 - **Operating Systems** --- Windows, UNIX/Linux, Mac OS X
 - **Source Version Control** --- Git
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LEADERSHIP EXPERIENCE

Rutgers HackHers Hackathon Mentor

March 27, 2016 – March 28, 2016

- Provided 24 hour assistance to programmers seeking to realize their applications by helping debug their code, as well as offered input as to what frameworks that would best fit their design.

Rutgers Hall Association Technology Chair for Silvers Apartments

September 2014 – May 2015

- Organized projects and solutions for the Rutgers Silver Apartments community to allow students to network and create trust within a secluded environment.
- Responsibilities included detailing requirements and project planning, community outreach, and representing the community to the Rutgers Hall Association administration.