

# Brijesh Salian

4311-Apt D Ramona Drive, Fairfax, VA -22030.

☎ 412-980-5486    ✉ [brijeshsalian7@gmail.com](mailto:brijeshsalian7@gmail.com)

LinkedIn: <https://www.linkedin.com/in/brijeshsalian>

---

## Career Summary

---

An experienced software developer adept in Object Oriented Concepts in C++, Java, PHP. Strong algorithmic problem solving skills.

## Education

---

GEORGE MASON UNIVERSITY, Fairfax, VA, USA.

May 2015

**Master of Science in Computer Science.**

UNIVERSITY OF MUMBAI, Mumbai, MH, India.

June 2013

**Bachelor of Engineering in Computer Engineering.**

## Work Experience

---

**1) RESEARCH ASSISTANT** - Krasnow Institute for advanced studies, GMU, USA.

April 2014 – May 2015

### *PHP Web Developer*

Worked as a part of a 2 member multi-disciplinary team, carrying out weekly ad-hoc web development tasks on the website [Hippocampome.org](http://Hippocampome.org) as requested by the IT manager.

Developed & improved module to display the neurological evidences using **HTML, JavaScript** and **PHP**.

Achieved faster response time for the neuron search engine that involved combination of queries to hit the **MySQL** database and show the result grid using **jQuery** and **CSS**.

### **2) RESEARCH ASSISTANT**

Thakur College of Engineering & Technology, Mumbai.

Aug 2012 - May 2013

**Barcode Scanner as an Android based application:** (under guidance of Dean Dr. R. R. Sedamkar)

Developed this project as a group of 3 wherein we scan a barcode on an item using the camera of an Android phone, decode it using Android SDK, and through Wi-Fi send the data within the barcode to a .NET based application to help various stores in sorting and billing of products in a cheaper budget and convenient manner.

## Technical Skills

---

Have proficient knowledge or experience working with:

*Languages* : C, C++, Java, Python, Visual Basic, XML, Assembly language.

*Web* : PHP, HTML 5, XHTML, CSS, JavaScript, jQuery, AJAX, Servlets, JDBC, JPA, JSP, EJB.

*Databases* : MySQL, Oracle.

*Tools & Technology* : OpenGL, GLSL, Weka, Amazon AWS EC2, SOAP, GIT, Eclipse, jBoss AS, Apache, junit.

*Operating Systems* : Linux, Windows (98/XP/2003/7/8).

*Frameworks* : Struts, Struts 2, EJB.

## Projects

---

**1)** Verified the amortized running time of functions associated with the **Violations Heaps** structure based on the [IEEE paper](#) using Hash tables and Linked list representation of heap data structure & also studied the performance in average and worst case scenarios.

**2)** Developed a performance Queuing Network model to analyse and study the **workload characterization** of the neuroscience website [Hippocampome.org](http://Hippocampome.org) which also involved doing a What...If analysis to consider future modifications to the site to improve performance.

**3)** Developed personal student website & deployed it on university domain <http://mason.gmu.edu/~bsalian> and also on [Amazon EC2](#) WS involving **JavaScript, JPA, struts2** and **EJB** framework in 2014.

**4)** Developed an individual Graphics project "**Bouncing Spheres**" based on OpenGL library and implemented mini projects that involved concepts like **Shaders, Skinning, Inverse Kinematics & Curves** based on **GLSL** and C++ language from George Mason University in 2013-14.

**5)** Been part of the team that developed Object oriented Software Programming Project titled "U-Pharmacist" from University of Mumbai in 2012.