Omar Raza

Developer – Communicator – Doer

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Education

2015–2019   **BS–Computer Science, Mathematics**, *Purdue University*, West Lafayette, IN.
Specialization: Database and Information Systems, Machine Intelligence
Pursuing Entrepreneurship Certificate
Awards: Recipient of the Purdue University Presidential Merit Scholarship

Relevant Course Work, *CS252 - Systems Programming in C and SQL, CS251 - Data Structures and Algorithms in C++*, CS250 - Computer Architecture, CS240 - Programming in C, CS180 - Programming in Java, ENTR 200, Entrepreneurship.

Work Experience

Fall 2016   **Software Engineer**, *IronGolfer*, West Lafayette, IN.
Lead development of Back-end/Serverside Framework and assisted with design of Front-end interface for a family of startups

Summer 2015   **Research Internship**, *Angelhack*, San Francisco, CA.
Assisted in the development, revision, and execution, of the main submission system used for Angelhack hackathons.

2014-2015   **Web Developer**, *OPEN SV (Organization of Pakistani Entrepreneurs)*, Bay Area, CA.
Worked on front-end development platforms for multiple event websites along with beefing up back-end architecture to accommodate the eventbrite submission systems.

Projects

Convex Hull Maker, *C++*, https://github.com/osterhagen/ConvexHulls.
Developed a GUI using OpenGLUT that takes an array of points and returns the Convex Hull. Used Jarvis Hull and Graham Scan algorithms to find the outermost points, and quicksort to assist in the scanning.

Email Server, *Java*, github.com/osterhagen/Email_Server.
Created a command line style email server that could store password protected emails using different internal storage mechanisms that had a level of security while still being SQL friendly.

Technical Experience

Programming / Scripting Languages.
Proficient: C/C++, Java, C#, SQL, ASP.NET, LATEX, Assembly
Familiar: Python, Ruby/Ruby on Rails, HTML/Jade, CSS/SASS, JS Framework

Programs / Systems / Frameworks.
Proficient: .NET Framework, Linux /Unix Framework, JUnit Suite, SOC/ARM RISC Architecture, Bloomberg Terminal, Git/GitHub.io, Visual Studio
Familiar: Mac OS Framework, Chrome Apps, AWS, Wordpress API, OPENGlut

Non-Technical Experience

Present   **Treasurer**, *BoilerMake Executive Board (Purdue's Collegiate Hackathon)*.

Present   **Sponsorship/Partnership Comittee Member**, *BoilerMake Executive Board*.

2013-2015   **Chairman of the Board – Youth Initiative**, *OPEN SV*.
o Recipient of the Certificate of Recognition by the Executive Committee

2015-2016   **Assembly-member**, *Purdue RHA (Residence Hall Association) Legislative Branch*.

2015-2016   **Issues and Facilities Committee member**, *Purdue RHA Legislative Branch*.