Omar Raza
Developer – Communicator – Doer

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github.com/osterhagen

Education

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

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

Projects

gsh/mysh, *C*, github.com/osterhagen/gsh-mysh
Created 2 shells with different memory allocation structures, both fully compatible and compilable from basic Unix/Linux OS while supporting all Unix Terminal commands.
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 to be SQL friendly.

Work Experience

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)*, Sunnyvale, CA.
Worked on front-end development platforms for multiple event websites along with beefing up back-end architecture to accommodate the eventbrite submission systems.

Technical Experience

Programming / Scripting Languages.
Proficient: C/C++, Java, Assembly LaTeX, SQL, HTML/Jade, CSS/SASS, JS Framework
Familiar: Node.js, Angular.js, Python, Ruby/Ruby on Rails
Programs / Systems / Frameworks.
Proficient: Linux /Unix Framework, IntelliJ, Raspberry Pi Architecture, Raspbian, codepen, Bloomberg Terminal, Android Studio, Git/GitHub.io, vim, emacs, TexPad
Familiar: Mac OS Framework, ssh, Sublime, Chrome Apps, AWS, Wordpress API, ODB

Non-Technical Experience

2016-Present   **Treasurer**, *BoilerMake Executive Board (Purdue's Collegiate Hackathon)*.

2016-Present   **Sponsorship/Partnership Comittee Member**, *BoilerMake Executive Board*.

2013-2015   **Chairman of 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 (Residence Hall Association)*.