

# Omar Raza

Developer – Communicator – Doer

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github.com/osterhagen

## Education

- 2015–2019 **BS–Computer Science**, *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](https://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](https://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, CLion, Raspberry Pi Architecture/ Raspbian,  
Bloomberg Terminal, Android Studio, Git/GitHub.io, Visual Studio Code  
Familiar: Mac OS Framework, SublimeChrome Apps, AWS, Wordpress API, OPENGltut

## 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)*.