

Developer – Communicator – Doer

## 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**, 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*.

## Projects

- Infix to Postfix**, C++, [github.com/osterhagen/InfixtoPostfix](https://github.com/osterhagen/InfixtoPostfix).  
Created a terminal style Infix to Postfix notation converter and optimizer using the Shunting yard Algorithm and different optimization algorithms.
- 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 capable of being 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)*.