

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

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*.

Projects

Infix to Postfix, C++, 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.

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, C#, Assembly, LaTeX, SQL, ASP.NET

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, 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 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 (Residence Hall Association)*.