

Kamil Ali Agrawala

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Interest:

Backend software engineer, eventually would like to convert to a full stack software engineer.

Education & Training

Oregon State University: Bachelor of Science, Electrical & Computer Engineering.

Cumulative GPA 3.31 (Graduation 04/2016)

Skills

- ✦ Programming: C, System Verilog, Java, Android, JavaScript, HTML 5, Ajax, JQuery, MATLAB, Python, Shell Scripting(BASH), XML, MySQL, Tcl(for synthesis of RTL design).
- ✦ Environments: Unix, Linux (Ubuntu, RedHat), Windows, OS X
- ✦ Text Editors: Emacs.
- ✦ IDE's: Eclipse, Code Blocks, Microsoft Visual Studio, ModelSim (RTL design), Microsoft SQL Server Management Studio.
- ✦ Revision control: github, bitbucket, tortoise.
- ✦ Synthesis tools: dc_shell, design_vision

Work Experience:

06/2014 - 12/2014

NACCO Materials Handling Group Fairview, OR USA

Software R&D & Computer Engineering intern

Worked on building a working automated data-logging device using the ATMEL SAM3X8E micro-controller.

- ✦ Set up an FTP server using both Microsoft Integrated Services and FileZilla.
- ✦ Created automated ETL's scripts running on Microsoft Server Tools suite. (Microsoft Server 2008).
- ✦ Created working CAN bus interface receiving and sending CAN messages on BUS line. Using custom made hardware.
- ✦ Implemented web services using Microsoft Visual studio 2012.
- ✦ Programed in C# ,HTML 5,JavaScript/ JQuery/Ajax/ CSS design to make a internal company website tool for defect documentation and tracking.
- ✦ Implemented and maintained both production and test data servers.

04/2013 - 09/2013

Mentor Graphics Wilsonville, OR USA

Testing & Q/A Engineering intern

Specifically worked for the Design for Manufacturability (DFM) Engineering team of the Design to Silicon Division.

- ✦ Programed in Tcl/Tk (synthesis) & bash shell script to make automated regression test suits.
- ✦ Worked with senior software developers to code/debug new software features.
- ✦ Worked on defect documentation and tracking and validation of defect resolutions.
- ✦ Programed in Python, Perl (CGI scripting) ,HTML 5,JavaScript/ JQuery/Ajax/ CSS design to make a internal company website tool for defect documentation and tracking.

05/2010 - 08/2010

Toyota Motor Company Karachi, Pakistan

Production Engineering intern

- ✦ Performed data analysis and provided recommendations to changeover from high-volume low-pressure to High-Pressure paint guns .
- ✦ Developed/organized records and maintenance reports for increased efficiency.
- ✦ Performed detailed calculations to establish manufacturing, construction, and installation standards and specifications, maintaining only a 2.5% defect rate as per company policy.
- ✦ Helped create and layout a new data structure implementation strategy using C-programming language.

06/2007-08/2007

Maersk Line Shipping Karachi, Pakistan

General Analyst intern

- ✦ Collaborated with the different departments in the company to ensure the delivery of efficient, high-quality service.
- ✦ Provided coaching, mentoring, and consultation to new interns to enhance development.
- ✦ Handled customer complaints, maintaining a positive company experience for all patrons.
- ✦ Created repeat business by developing long-term relationships with regular customers.

Extra Curricular:

Oregon State University School of Electrical Engineering & Computer Science

- ✦ Advised School of Electrical & Computer Engineering & provided first-hand assistance in changing policies regarding undergraduate programs.
- ✦ Analyzed the Electrical Engineering curriculum to design a more effective way to project degree requirements for students.
- ✦ Reviewed and deliberated University Bylaws, recommending changes and proposing amendments to further develop campus policies.
- ✦ Helped integrate the department from "paper" course requirements to electronic.

Additional information:

Honors & Awards: George & Evelyn Lundstorm Scholarship, Winner of 2014 Oregon State University Expo's People Choice Award, Member of National Society of Collegiate Scholars, ISAS Scholarship Awardee.

Online Profiles:

[GitHub](https://github.com/kamilagrawala): <https://github.com/kamilagrawala>

[Linkedin](http://www.linkedin.com/pub/kamil-agrawala/49/42b/65b): www.linkedin.com/pub/kamil-agrawala/49/42b/65b

[googleSite](https://sites.google.com/a/onid.oregonstate.edu/ece44x201368/home): <https://sites.google.com/a/onid.oregonstate.edu/ece44x201368/home>