

RITHIKA K NAIK

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github.com/rithika | portfolio- rithika.github.io/portfolio/src

EMPLOYMENT

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|---|--|----------------------------------|
| Software Development Intern | Intel Corporation, USA | Spring 2015 – present |
| <ul style="list-style-type: none">• Goal: Build a cloud framework for automation of product testing and analysis of various Intel chips to accelerate high volume manufacturing.• Role: Lead Front end designer and developer.• Responsibilities: Gather user requirements via surveys & interviews, create prototypes and re-evaluate requirements, implementation of the approved front end design, design efficient ways to visualize large chunks of data.• Outcome: The product would help to efficiently test chips by reducing the total man hours spent on it. The front end implementation was highly appreciated for its professional look and feel and was approved by the stakeholders.• Technologies: HTML5, CSS3, Bootstrap, jQuery, django templating language, visualization libraries like d3.js, google charts, charts.js | | |
| Software Developer, Intern | ADP Dealer Services (CDK Global), USA | Summer 2014 |
| <ul style="list-style-type: none">• Part of a team which worked on a software which automates the process of car buying and all other tasks related to it like checking red flag scores• Fixed bugs in the product reported by the customer or product manager picked from a Jira client• Worked on building a module which views a red flag report analyzed by various car dealers of their prospective clients and show the output on a map interface• Part of an agile development with a two week release cycle• Part of daily scrum meetings and worked in collaboration with the team members in India with code collaboration through Github• Formed a team of 4 interns for a hack-a-thon event where we built a mapping tool to help the company understand data like highly used gas stations in various areas, area with high car sales, find carpool facility for the employees of the company and was awarded most innovative product• Skills – PHP, PHPUnit, AngularJS, Bootstrap, HTML5, Github and bug trackers | | |
| Graduate Teaching Assistant | Oregon State University | Winter 2013 – Winter 2015 |
| <ul style="list-style-type: none">• Assisted professors in both on campus and online courses• Responsibilities included grading of assignments and tests, create quizzes, conduct office hours to clarify students doubts, take class in the absence of the professor• Courses: Analysis of Algorithms, Social and Ethical issues in Computer Science, Usability Engineering, Web Development. | | |

EDUCATION

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|---|--|--------------------------------|
| Corvallis, OR | Oregon State University | Fall 2013 – present |
| <ul style="list-style-type: none">• MS in Software Engineering and Human Computer Interaction• GPA: 3.77 / 4• Coursework : Usability Engineering, Software engineering, HCI Research methods, Information Visualization, Open source development, Database management, Methods of data analysis | | |
| Hyderabad, India | Keshav Memorial Institute of Technology, JNTU | Fall 2009 – Spring 2013 |
| <ul style="list-style-type: none">• Bachelor of Technology in Information Technology.• Coursework: Operating Systems, Programming languages(C,C++,Java), Algorithm analysis | | |

TECHNICAL EXPERIENCE PROJECTS

- **Visual Algorithm Performance Comparison.** Two testing algorithms were run individually and their performance data was collected and visualized for analysis to find the better algorithm. D3 library, HTML, CSS
- **Multilanguage Block Ciphering using Two Dimensional Array Substitution.** Developed an advanced algorithm for secure information transfer using block ciphering of a message in any language. Java
- **Student Schedule Retriever.** An IVRS application to retrieve a students' schedule by giving in their student registration number. Voxeo voice server, J2EE, XML.
- **E Cops Social Application.** Delivered next generation police and law enforcement tool to perform all possible activities online like file a complaint, look into criminal records, apply for licenses etc. J2EE, DB2, HTML, CSS, Javascript, WASCE WebSphere server.
- **Google Summer of Code 2011.** Worked for MIFOS (Micro Finance Open Source) and NRNB (National Resource for Natural Biology) with bug solving and feature enhancements. Java, Github, JIRA, Wiki.

PAPER PUBLICATIONS

- **On Older Adults and Free/Open Source Software: Reflections of Older Contributors and Community Leaders.** IEEE Symposium on Visual Languages and Human Centric Computing, VL/HCC 2014.
- **Older Adults and Free/Open Source Software: A Diary Study of First Time Contributors.** The 10th International Symposium on Open Collaboration, ACM Press, OpenSym 2014.

LANGUAGES & TECHNOLOGIES

- C; Java; SQL; HTML; CSS; JavaScript/jquery; J2EE; D3 library and other visualization libraries
- Eclipse; R Studio; DB2; UML; MySQL; DB2; Axure; Balsamiq Mockup; Invision
- **UX Skills :** User Studies; Focus groups; Prototyping; Paper mock up; Interviews; Survey