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| MEENAKSHI NAGARAJAN | [nagarajan.12@wright.edu](mailto:nagarajan.12@wright.edu) | +1(669) 225-7926 | [Portfolio](https://rawgit.com/meena3791/Portfolio/master/portfolio/portfolio/index.html) | [LinkedIn](https://www.linkedin.com/in/meenakshi-nagarajan-b8354564/) |
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**OBJECTIVE**

To secure an internship in the field of user interface/user experience design | front-end development | software development

**EDUCATION**

**Master of Science in Industrial and Human Factors Engineering Expected 2017**

*Wright State University, Dayton*

**Bachelor of Engineering in Electronics and Instrumentation Engineering 2008 - 2012**

*Anna University, India*

**RELEVANT COURSEWORK**

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| Fundamentals of human factors engineering | Cloud Computing | Design and Analysis of Engineering Experiments |
| Cognitive Systems Engineering | Object Oriented Programming | Probability for Engineers |
| System Engineering and Analysis | Data structures and Algorithms | Statistics for EGR |

**TECHNICAL SKILLS**

**Programming languages**: OSB, Xquery, XML, Python, Java / J2EE, Android Programming

**UI design**: Axure, Balsamiq, HTML, CSS

**Frameworks**: MVC, MVVM, Bootstrap

**Scripting languages**: Javascript, Pig Latin, Bash, Angular JS

**Database**: Relational, NoSQL

**Data analysis/Big Data**: Splunk, SparkSQL, Hadoop, MapReduce

**Tools**: Eclipse, Android Studio, JDeveloper, JMP, Visual Studio

**Version Control**: Tortoise SVN, Git

**Web/Application Server**: Apache Tomcat, BEA Weblogic

**Operating Systems**: Windows, Linux, Mac OS X

**RELATED EXPERIENCE**

**Graduate Research Assistant,** *Department of Human Factors Engineering, Wright State University* **2016 - Present**

* Design a Cyber-Physical system which integrates an intuitive User Interface and an Ontology Knowledge Base to improve the situational awareness of the command officers of Incident Command System (ICS) during emergency response
* Contribute to projects across disciplines aimed at developing decision support systems
* Collaborate and coordinated with faculty, fellow students of different departments for research work

**Tools/Techniques:** *UI/UX Design, Decision trees, Prototypes, Wireframes, Persona creation, User Testing, User flows, Requirements Development, Mental Modeling, User Interviews, Think Aloud, Android Studio, Web Ontology Language (OWL), C#, MongoDB, Axure, MVVM Architecture*

**Graduate Teaching Assistant,** *Department of Human Factors Engineering, Wright State University* **2016 - Present**

* Prepare lectures and class activities focusing on developing prototypes, wireframes/mockups for Human-System Interaction and Usability Engineering coursework
* Assist the faculty in designing class projects for developing a user-centered website/mobile design

**Tools/Techniques:** *Paper prototyping, Card sort, Axure, Balsamiq, Usability protocols, Visio, Android design, Wireframe/mock-ups, A/B testing*

**PROFESSIONAL EXPERIENCE**

**Systems Engineer,** *TATA Consultancy Services Ltd., Chennai, India*  **2013 – 2015**

* Introduced a stock management application with OSB and PL/SQL that could process the information about 30000 or more periodically for British Telecom
* Successfully migrated existing services from Java to Oracle service bus to optimize the application flow and received client level appreciation for the same
* Worked on industry standards like Automated Testing Framework, Performance Testing and Splunk for live log monitoring, data analysis, generating reports, alerts, and dashboards for real-time monitoring

**Tools/Techniques:** *Tortoise SVN, SVN Integrated with Eclipse, Jakarta JMeter, MQ Utility Tool, HP Quality Centre, Oracle 10G SQL Developer, Oracle Service Bus Eclipse workshop, Altova XMLSpy, Splunk, SOAPUI*

**CONFERENCE PRESENTATION**

David Wood, **Meenakshi Nagarajan**, Alexandra Opp, Subhashini Ganapathy, Michelle Cheatham, John Gallagher, Jim Gruenberg, Jack Smith (2016) *Using Model-Based Simulation for Augmenting Incident Command System for Disaster Response*. International 2016 Winter Simulation Conference, Washington, D.C., December 2016

**HONORS OR AWARDS**

On-The-Spot Award, *TATA consultancy services Ltd.* **2014**

* Best performance in software development and support activities

100% tuition waiver, *Department of Industrial and Human Factors Engineering, Wright State University* **2016 - Present**

* For academic performance