ROSHINI S. THIAGARAJAN

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EDUCATION

Master of Professional Studies in Information Science   *Expected May 2016*
Cornell University, Ithaca, NY. GPA: 3.98

Bachelor of Science in Computer Science and Engineering   *May 2015*
University of California, Merced: Merced, CA. GPA: 3.96

Honors and Awards
Dean's list • Chancellor's Honor list • Outstanding Undergraduate Student, School of Engineering • Cornell Honor Society • National Society of Collegiate Scholars • National Society of High School Scholars

Relevant Coursework
Algorithm Design and Analysis • Computer Architecture • Database Systems • Finding, Filtering and Sharing Information on Web • Health and Computation • Human-Computer Interaction • Intro to Artificial Intelligence • Object-Oriented programming • Software Engineering • Spatial Analysis and Modeling • Visual Data Analytics for Web • Intro to Rapid Prototyping • Architecture of Large Scale Information Systems

TECHNICAL SKILLS

• C/C++   • Java   • HTML/CSS   • Javascript   • JSON/jQuery   • PHP   • Python   • SQL

EXPERIENCE

Lead iOS Mobile App developer   *September 2015 - Present*
MPS Project, Cornell University (http://www.xiyingwang.com/energysense/)
- Developed a sleep-sensing algorithm using SWIFT and applied data collected via iPhone sensors to circuit prototype
- Tested and evaluated prototype, both internally and by conducting a user research-study, to refine algorithm design
- Collaborated with UX researchers and programmers through SCRUM cycle for scheduled feature-driven development
- Communicated with team advisor each week on team updates, improvements and setbacks from project

Software & App Developer   *January 2015 - May 2015*
Capstone Project, University of California, Merced (2015 Innovate to Grow Finalist - Public Safety Criterion)
- Designed the UI, prototyped it and implemented an Android app that allows users to retrieve stolen bicycles from a RESTful API, retrieve data from a PARSE database, view them as a list or map, and if necessary report a stolen bike
- Delegated tasks to each software engineer to accomplish weekly goals
- Employed Agile software development cycle with team of software engineers, mechanical engineers & market analyst

Student Research Assistant and Web Developer   *February 2014 - May 2015*
University of California, Merced
- Developed and improved web-UI using Bootstrap, for students and instructors through OOP in Javascript/jQuery
- Tested the framework and maintained user documentation

C++ Game Developer   *March 2014 - May 2014*
University of California, Merced
- Programmed the logic of Snake using data structures and OOP concepts using C++, OPENGL and freeGLUT

Database/Web Designer and Developer   *August 2013 - December 2013*
University of California, Merced
- Developed a tiered-data management website for a healthcare center by integrating HTML, CSS, PHP and MySQL
- Designed the back-end of database with pertinent information gathered from collaborating with medical physicians

OTHER EXPERIENCE

UX Researcher – UI & UX Designer (System design for Autistic children)   *September 2015 - December 2015*
UX Researcher (System design for Autistic adults)   *September 2015 - December 2015*
Java AI Algorithm Programmer   *August 2013 – December 2013*

PROFESSIONAL ASSOCIATIONS

Society of Women Engineers (Treasurer, Member)   *August 2014 - Present*
Association for Computing Machinery   *August 2013 - August 2014*