ROSHINI S. THIAGARAJAN

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EDUCATION

Master of Professional Studies in Information Science   *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 • Cornell Honor Society • NSCS • NSHSS

Relevant Coursework
Algorithm Design and Analysis • Database Systems • Finding, Filtering and Sharing Information on Web • Health and Computation • Human-Computer Interaction • Object-Oriented programming • Rapid Prototyping • Software Engineering • Visual Data Analytics for Web • Ubiquitous Computing

SKILL SET

Programming
• C++   • SQL   • JavaScript   • Java   • HTML/CSS   • Matlab   • PHP

UX Research and Design
•User Research and Study   •Personas/Use-cases   • Wire framing   •InVision/Sketch Prototyping   •Usability Testing

RELEVANT EXPERIENCE

User Experience Research Intern and Lead iOS Mobile App Developer   *September 2015 - Present*
EnergySense | Cornell University (http://roshinist.github.io/energySense.html) | IoT, Smart Tech, Energy
- Recruited participants via social media, email listings and flyers for a 3-week energy sustainability study
- Conducting qualitative analysis from photo documentary and interview responses to redesign iOS application using Sketch
- 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 defining use-cases, to refine algorithm design
- Collaborated with UX designers and programmers through SCRUM cycle for scheduled feature-driven development

UX Designer and C++ Programmer   *February 2016 - May 2016*
TactiSense: Sending Touch Sensations Remotely | Cornell University | IoT, Health
- Conducted literary research to prototype a wearable that conveys social touch by programming 'Photon' in C++
- Employed the iterative design cycle, 3D-printing and laser cutting to prototype the outer casing and supplement parts

UX Researcher   *September 2015 - December 2015*
Juvo: Increasing Autonomy of Autistic Adults | Cornell University | Health, Smart Tech
- Coordinated with Franziska Racker Centers to ideate a smart-home system to increase autonomy of autistic adults
- Applied iterative UX research and design methods including strategic design research, conducting interviews, affinity diagrams, rapid idea-brainstorming sessions, low and high-fidelity prototype development and heuristic evaluation

Android App Developer   *January 2015 - May 2015*
Moonlight | University of California, Merced (2015 Innovate to Grow Finalist - Public Safety Criterion) | IoT, Smart Tech
- Addressed client expectations and designed low-fidelity UI prototype on FluidUI
- Implemented app that retrieves data from API, saves data into PARSE database and represents data on Google Maps
- Employed Agile software development life-cycle with a cross-functional team

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

Database and Web Developer   *August 2013 - December 2013*
eRecord, Course Project | University of California, Merced | Health
- Implemented 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

UI & UX Designer | *Autino: A Responsive Ecosystem for Autistic children | Health*   *September 2015 - December 2015*

PROFESSIONAL ASSOCIATIONS

Society of Women Engineers (Treasurer, Member)   *August 2014 - Present*