HariPrasath Palani

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SPECIALITIES

- UX Research/Design
- Spatial Analysis and Reasoning
- Virtual and Augmented Reality
- Human-Computer Interaction
- Assistive Technology (AT)
- GIS
- Mobile UI
- Graphic Designing
- Remote Sensing (RS)

EXPERIENCE

Aug 2011 — **Graduate Research Assistant**

School of Computing and Information Science, The University of Maine, Orono, USA

Role — User experience researcher and developer - Assistive Technology for *visually-impaired* users in their navigational and educational needs using multimodal interfaces.

Feb 2010 — **Software Engineer (Full time)**

CapGemini India Pvt Ltd, Pune, India

Role — Software engineer with focus on User Acceptance and functional testing for Credit card and Banking domain.

Aug 2009 — **Technical Support Executive (Full time)**

Sutherland global services, Chennai, India

Role — Virus removal technician (Voice-support) – McAfee

EDUCATION

Dec 2016 — **PhD in Spatial Informatics**
- Expected

Dec 2013 — **MS in Spatial Informatics**
University of Maine, Orono, USA

May 2009 — **Bachelor of Engineering in Geo-Informatics**
Anna University, Chennai, India
(2005 - 2009)

SELECTED WORK

HCI + UX + AT + AR

Assistive Technology for Visually-Impaired People
- Developed and evaluated a multimodal interface to assist blind people in mobile accessibility using touch screen devices
  Skills: Human-Computer Interaction (HCI), UX, Android

Augmented Reality for Learning Indoor Maps
- Developed and evaluated a multimodal interface to assist blind people in real-time navigation
  Skills: HCI, UX, OpenCV, Android, Maps, Image Processing

ELDERNET
- An Interactive Information Appliance for the Elderly population
  Skills: HCI, Gerontechnology, MS Visio and WAMI

Relations between Punctured Regions and Simple Regions
- Derived topological relations between complex regions
  Skills: Spatial Reasoning & Analysis and Cartography

GIS & RS

Offshore windfarm site establishment
- to locate optimal sites for constructing offshore wind-farms

Electioneering Madurai-East
- to optimize polling booth location and routing in election

Surveillance management system
- to track a criminal associate with serial crime

TOOLS & SKILLS

Programming - JAVA, Python, Android
IDE - Eclipse, ArcGIS, Dreamweaver, Visual Studio
Front-End Web - HTML, CSS
Designing - Photoshop, Illustrator, Stykz, GIMP
Statistics & Data - SPSS, R
CAD software - MICROSTATION
Image processing - ERDAS Imagine and ENVI
Photogrammetry - PHOTOMOD 4.4
Others - Microsoft office, Open office

AWARDS

- The *Foster Center for Student Innovation* award – GradExpo 2013, University of Maine
- *Commercialization Potential Award* – GradExpo 2012, University of Maine
- Second place for *Poster Presentation* – GradExpo 2012, University of Maine
- First place for *Poster presentation* – Celestia 2007, Anna University

CERTIFIED

- in *"Gamification"* and *"Image and Video Processing"* from Coursera
- in *"A crash course on creativity"* from Venturelabs
- in *"Software Testing"* from CapGemini India Pvt Ltd, Pune, India
- in *"German – Level A1"* from Goethe Institut, Chennai, India

Please visit, *http://www.spatial.maine.edu/~hariprasath.palani/* for my complete portfolio