

JOHN R THOMPSON

Empowering people to accomplish their missions.

Empowering people to discover phenomenon.

Designer for Analysis & Action

Empowering people to share knowledge.

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Education

Georgia Institute of Technology 3.8/4.0 May 2016

M.S. in Human Computer Interaction Atlanta, GA

University of Virginia 3.3/4.0 May 2012

B.S. in Electrical Engineering Charlottesville, VA

Experience

NASA Jet Propulsion Laboratory June 2015 - Aug. 2015

Data Visualization Intern Pasadena, CA

Tasked with developing a path visualization tool to explore new and interesting visualization and interaction paradigms for supporting rover operations in both short and long-distance traverse planning.

Georgia Institute of Technology Aug. 2014 - July 2015

Graduate Research Assistant Atlanta, GA

Designed and prototyped an InfoVis tool for mobile military application. The goal of the project was to empower warfighters to aggregate information and improve situational awareness. Funding was sought and acquired by myself through a U.S. military contractor. Advised under Dr. John Stasko.

Draper Laboratory (DPC) Sept. 2012 - July 2014

UI Designer / Front-End Developer Cambridge, MA

Programmed, designed and conducted user evaluations for the development of U.S. military prototypes. Gained front-end development experience. Learned techniques for observing & analyzing users to improve designs. Built business relationships with U.S. military contractors. My role progressed into a design lead on two of my projects.

MIT Lincoln Laboratory June 2011 - Aug. 2011

Embedded Systems Intern Lexington, MA

Developed a FPGA based passive aircraft receiver for testing with the FAA's NextGen System. The receiver is still in use by Lincoln Labs.

Research Interests

Information Visualization

Visual Data Analytics

Sports Analytics

Tools for STEM Education

Skill Sets

User Research

Focus group moderating
Potential user interviewing
User data analysis coding
Contextual inquiry / design

Leadership

Grant Proposal Writing
Research Project Leader
Design Lead at Draper

Development

Front-End Dev.

Android Java Adobe CC
CSS HTML jQuery
Javascript D3.js GIS
Unity OpenGL Maya
.NET Framework Axure

Back-End Dev.

C# C++ SQL
Python PHP

Hobbies

Drawing Ice Hockey Tennis
Football Cooking Volunteering