

# Mitchell Taylor Massey

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## Rice University

Bachelor of Arts in Cognitive Sciences

Class of 2015

3.43 / 4.0 GPA

## User Experience Researcher

@ Fondren Library, User Experience Lab, Houston, TX

*August 2013 – Present*

- Analyzed undergraduate study habits, web behavior, and task performance
- Improve **4** different web services over **2** years: room reservation system, institutional repository, classic catalog, & Fondren main site
- Performed weekly guerilla testing sessions in common study spaces to quickly gather data on terminology alternatives, information architectures, and usage distributions
- Consulted American Physics Society (APS) on conducting ethnographic studies
- Created a bootstrap-based site, Hack Your Library, for developer and researcher resources
- Demoed iOS 7 Accessibility Features to faculty as keynote for Disability Awareness Event – October 2013

## Emerging Interfaces REU Intern

@ VRAC, Iowa State University, Ames, IA

*May 2014 – August 2014*

- Co-designed a peripheral display for critical engine information in XPlane 10 tabletop flight simulator.
- Developed fundamentals in 3D Modeling, CAD, C++, & Virtual Reality Design
- Completed IRB documentation – protocols for future user testing & interface evaluation
- Re-discovered my passion for gaming, animation, and VR.

Webmaster & Operations Team  
@ Rice Solar Car Team, Houston, TX  
*September 2013 – April 2014*

- Implemented Squarespace CMS & Site Design
- Created monthly blog posts for student & donator communities
- Introduced Trello for team workflow management
- Helped organize work spaces and team events
- Co-managed social media (Twitter, FB, student emails)
- Attended Shell Eco-Marathon 2014

Transportation Researcher  
@ Global Urban Lab - Houston, TX & Istanbul, Turkey  
*Spring 2013*

- Investigated history of light rail transportation in global cities
- Analyzed impact of Istanbul's construction and forecasted olympic events (2020 bid)
- Visited Istanbul for 10 days to interview researchers and industry professionals on global policy issues
- Co-Published policy paper: "METRO & Marmaray: Light Rail Transportation in Houston and Istanbul"

Human Factors Researcher  
@ Dr. Phil Kortum's Usability Lab - Rice University  
*Spring 2013 – Spring 2014*

- Executed over 1000 SUS instruments with Amazon Turk for tablet application study
- Created 2 webpages & led experiment trials for ballot verification in voting usability & trust study
- Implemented voting interface in CSS, JavaScript

## SKILLS

**User Experience Methodologies:** Cognitive Walkthrough, Heuristic Evaluation, Contextual Inquiry, Google Analytics, Card Sorting, A/B Testing, Quality Function Deployment, Morae, Screen-Recording & Eye-Tracking Tools, System Usability Score Instrument, Knowledge of ISO Standards

**Graphic Design:** Photoshop & Illustrator, 3D Modeling: 3D Studio Max & Maya, Unity 5 Game Engine

**Front-End & Object-Oriented Programming:** Vim, HTML5, CSS3, Javascript, Node.js, Bootstrap & Foundation, Python, C++

**Rapid Prototyping:** SolidWorks – CAD 3D Printing Website Wireframing

**Data Analysis:** T-Test, ANOVA, Post-Hoc Tests, Pivot Tables, R, GGPlot2 Graphics

**Consulting & Entrepreneurship:** Competitor & Market Analysis Stakeholder Assessments  
Interviewing & Negotiating Startup Strategy & Financing