

Ryan Krepps

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Education

Georgia Institute of Technology

M.S., Human-Computer Interaction

August 2016 - May 2018 (Expected)

B.S., Psychology, Research Focus

August 2009 - December 2014

Skills

Techniques

- User Experience
- Usability Testing
- Wireframes
- Persona Development
- Storyboarding
- Paper Prototyping
- Survey Design
- Iterative Design

Software

- SPSS
- Python
- Bootstrap
- Blender

Personal

Hobbies

- Cooking/Brewing
- Tabletop Gaming
- Weightlifting

Interests

- Bodyhacking
- Cyberpunk
- Immersive VR

Work Experience

Georgia Tech Research Institute | Human Systems Engineering

May 2016 - Present

Graduate Research Assistant. Projects include vision system assessment for self-driving vehicles, ergonomic assessment of tools, and task analysis and UI Design for military tool development.

Appen

September - November 2015

Independent Consultant. Content evaluation and customization for a major social media platform.

Georgia Tech | Sonification Lab | Adult Cognition Lab

May 2014 - August 2015

Research Assistant. SonLab projects include the distraction effects of different displays while driving and sonification of card-sorting tasks. ACL projects include self-assessment of learning techniques and the development of abductive reasoning measures.

Vertically Integrated Programs: Humor Genome Project

August 2013 - May 2015

Student. Conducted research and design in the field of computational humor in order to build a model to quantify “genomic” elements of humor and create personalized humor profiles.

Undergraduate Senior Thesis

January - December 2014

The effects of divergent thinking and working memory capacity on hypothesis generation.

Honors

President’s Undergraduate Research Award (PURA) Grant Recipient

VIP Innovation Competition Finalist (with Humor Genome Project)

Publications

Hertzog, C., Hale, C., & **Krepps, R.D.** (2015). Development of a quantitative measure of abductive reasoning quality. Georgia Institute of Technology Final Technical Report, Intelligence Advanced Research Projects Activity (IARPA) Strengthening Human Adaptive Reasoning and Problem-solving (SHARP) Program, 2015.

Hertzog, C., Hale, C.R., **Krepps, R.D.**, & Smith, R.M. *Assessing individual differences in the quality of abductive reasoning.* (manuscript in preparation).