

# CLAYTON STANLEY

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## EXPERIENCE

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### Google, Workspace

Mar 2019 - Present

*Quantitative UX Researcher*

*US-Remote-TX*

- qUXR tech lead for Google Docs (advised 4 quant/qual UXRs, >5 IX, >15 PMs).
- Uncovered insights from user logs to improve Google Workspace (>100 quant research projects).
- Worked with eng to build a self-service A/B measurement framework (minutes to insights v days).

### Bloomberg, Terminal Design

Jan 2015 - Mar 2019

*UX Data Scientist*

*New York, NY*

- Uncovered insights from user logs to improve the design of the Terminal (>100 quant research projects).
- Worked with engineering to build a centralized analytics platform (>10 infrastructure usage datasets).
- Worked with engineering to improve self-service analytics tools for others (>100 people onboarded).

### Rice University, Computer Human Interaction Laboratory

May 2012 - Aug 2012

*Research Programmer*

*Houston, TX*

- Enabled 50K lines of Macintosh Common Lisp (MCL) GUI code to run in Clozure Common Lisp (CCL). Implemented subset of the MCL GUI specification in CCL. 10-100x speedup in code run time.

### Air Force Research Laboratory, Cognitive Models and Agents

May 2009 - May 2012

*Cognitive Scientist and Software Engineer*

*Dayton, OH*

- Enabled Teraflops of free computing power for the Air Force. Part of core MindModeling dev team that reimplemented the system between 2010-2011. 10,000+ SLOC. 10+ programming languages.
- Led first organization in AFRL to certify and connect to the Defense Research Engineering Network.

## EDUCATION

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### Rice University

*Jan 2015*

Ph.D., Cognitive Psychology, emphasis in modeling large-scale human behavioral datasets  
Advisor: Dr. Michael D. Byrne, Overall GPA: 3.9

### United States Air Force Academy

*May 2007*

B.S., Applied Physics, emphasis in computational methods  
Distinguished Graduate, Overall GPA: 3.8

## MEMBERSHIP & SERVICE

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- US Air Force Active-Duty Commissioned Officer

*30 May 2007 - 31 May 2012*

## TECHNICAL STRENGTHS

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<b>Behavioral/Physical Modeling</b>	mathematical, statistical, cognitive simulations using Atomic Components of Thought-Rational (ACT-R)
<b>Relevant Coursework</b>	<i>Statistics</i> : logistic/linear/nonlinear/multivariate regression <i>Mathematics</i> : partial differential equations, discrete math <i>Psych</i> : engineering psychology, human factors, decision making <i>CS</i> : artificial intelligence, programming paradigms
<b>Computer Languages</b>	R, bash, make, SQL, common lisp
<b>Programming Paradigms</b>	macros, anaphoric/read/compile macros, DSL programming, closures, object oriented, functional, imperative, declarative, code parallelization, vectorization, and optimization
<b>Tools</b>	linux, docker, git, vim, data.table, python
<b>Visualization Tools</b>	ggplot2, tableau, d3
<b>Team Processes</b>	agile, scrum, daily standups, retrospectives, code reviews, bug tracking, pair debugging, test-driven development