ERIK BROCKBANK

(720) · 227 · 1209 ⬦ erik.brockbank@gmail.com

linkedin.com/in/erik-brockbank ⬦ erikbrockbank.com ⬦ github.com/erik-brockbank

EDUCATION

University of California, San Diego *(expected) 2023*
Ph.D. *Experimental Psychology*

Stanford University *2014*
M.S., B.S. *Symbolic Systems*

HONORS AND AWARDS

Katzin Graduate Fellowship for outstanding UCSD graduate students ($50,000)	*Sep. 2018*
K. Jon Barwise Award for distinguished contributions to Stanford Symbolic Systems	*Jun. 2014*
Stanford Symbolic Systems Undergraduate Advising Fellow	*2013, 2014*

LEADERSHIP EXPERIENCE

UCSD Psychology Data Science Club Club leader	*May 2019 - present*
UCSD Psychology Colloquium Series Graduate Student Officer	*May 2019 - present*
UCSD Psychology Student Speaker Series Graduate Student Officer	*May 2019 - present*
Stanford Symbolic Systems Student Society Founder	*2013*

ASSOCIATION MEMBERSHIP

Cognitive Science Society (Student Member)	*2018*

RESEARCH EXPERIENCE

UC San Diego Computational Cognition Lab *Sep. 2018 - present*
Ph.D. Student

· Bayesian cognitive modeling (PI: Edward Vul)

Stanford Virtual Human Interaction Lab *Sep. 2012 - June 2014*
Master's Student, research assistant

· Master's thesis on learning in virtual environments (Advisor: Jeremy Bailenson, Daniel Schwartz)
· Research assistant and programmer (PI: Jeremy Bailenson)

Kidaptive *Jun. 2013 - Sep. 2013*
Summer Research & Development Intern

· IRB-approved efficacy research to inform product design (PI: Michael Frank)
· Internal tooling for data visualization (D3.js)

Stanford AAA Lab (School of Education) *Mar. 2011 - Sep. 2011*
Undergraduate Research Assistant

· Research assistant and programmer (PI: Daniel Schwartz)

PUBLICATIONS AND PAPERS

Brockbank, E., Smith, K., & Vul, E. (In press). When do people use containment heuristics for physical predictions? In *CogSci*.

Brockbank, E., & Vul, E. (In press). Mapping visual features onto numbers. In *CogSci*.

TEACHING EXPERIENCE

Teaching Assistant Industrial & Organizational Psychology	*Jul. - Aug. 2019*
Teaching Assistant Developmental Psychology	*Jan. - Mar. 2019*
Teaching Assistant Media Economics (Comm. dept.)	*Mar. - Jun. 2014*
Teaching Assistant Introduction to Cognitive Science	*Jan. - Mar. 2014*
Teaching Assistant Introduction to Cognitive Psychology	*Sep. - Dec. 2012*

INDUSTRY EXPERIENCE

Dropbox *Aug. 2017 - Aug. 2018*

Site Reliability Engineer

- · Software development for server allocation and lifecycle management tooling (python, Golang, gRPC)
- · Oncall, monitoring, and alerting responsibilities for internal services

Dropbox *Jul. 2015 - Aug. 2017*

Capacity Engineer

- · Engineering: developed pipelines for data ingestion, processing, and storage, along with web front-ends and reporting for capacity management (python, html/css/javascript, MySQL)
- · Analytics and modeling: modeled database, compute, and analytics server demand for annual infrastructure budget and various infrastructure initiatives (Excel, HiveQL, python)
- · Project management: managed datacenter decommissioning, software service migrations, sharded database expansion, and new server hardware development

Dropbox *Aug. 2014 - Jul. 2015*

Dropbox Rotational Program

- · Business and analytics experience on web marketing, inbound sales, and technical support teams

TECHNICAL SKILLS

Languages	Python; Golang; experience with Java, C++, C
Web	HTML; CSS; Javascript (jQuery, Flask, Django, D3.js)
Databases	MySQL; HiveQL
Analytics	R; Python (Anaconda, Jupyter); Matlab; Excel
Other	Spanish (fluent)