

OBJECTIVE	To make useful things.
EDUCATION	<p>University of California, Berkeley · <i>August 2009 - December 2014</i> Ph.D. Computer Science <i>Thesis Advisor:</i> Trevor Darrell <i>Courses:</i> Stat. Learning, Computer Vision, Natural Language Processing, Comp. Neuroscience, Reinforcement Learning, Algorithms, Systems, Marketing Emerging Tech</p> <p>University of Washington, Seattle · <i>September 2005 - June 2009</i> B.S. Computer Science & B.A. Psychology <i>Thesis Advisor:</i> Steven Seitz</p>
WORK EXPERIENCE	<p>Research Internship <i>Creative Tech. Lab at Adobe, San Francisco, CA</i> <i>June 2013 - September 2013</i> Gathered data and developed a system for recognizing the style of photographs and paintings.</p> <p>Research and Development Internship <i>Artsy, New York City, NY</i> <i>June 2012 - September 2012</i> Built tools to clean and annotate existing data on the visual properties of artworks and prototyped a system for their recognition.</p> <p>Software Development Internship <i>Zillow.com, Seattle, WA</i> <i>June 2008 - September 2008</i> Maintained, improved, and added features to a high-traffic consumer website.</p>
FIRST-AUTHOR PUBLICATIONS	<p>Anytime Recognition of Objects and Scenes at <i>CVPR 2014</i> (oral) Sergey Karayev, Mario Fritz, Trevor Darrell</p> <p>Recognizing Image Style at <i>BMVC 2014</i> Sergey Karayev, Matthew Trentacoste, Helen Han, Aseem Agarwala, Trevor Darrell, Aaron Hertzmann, Holger Winnemöller</p> <p>Dynamic Feature Selection for Classification on a Budget at <i>ICML-W 2013</i> Sergey Karayev, Mario Fritz, Trevor Darrell</p> <p>Timely Object Recognition at <i>NIPS 2012</i> Sergey Karayev, Tobias Bamgartner, Mario Fritz, Trevor Darrell</p> <p>A Probabilistic Model for Recursive Factorized Image Features at <i>CVPR 2011</i> Sergey Karayev, Mario Fritz, Sanja Fidler, Trevor Darrell</p>
OTHER PEER-REVIEWED PUBLICATIONS	<p>Caffe: Convolutional Architecture for Fast Feature Embedding at <i>ACM MM 2014</i> Yangqing Jia, Evan Shelhamer, Jeff Donahue, Sergey Karayev, Jonathan Long, Ross Girshick, Sergio Guadarrama, Trevor Darrell</p> <p>A Category-Level 3-D Object Dataset: Putting the Kinect to Work at <i>ICCV-W 2013</i> Allison Janoch, Sergey Karayev, Yangqing Jia, Jonathan T. Barron, Mario Fritz, Kate Saenko, Trevor Darrell</p>

Practical 3-D Object Detection Using Category and Instance-level Appearance Models at IROS 2011

Kate Saenko, Sergey Karayev, Yangqing Jia, Alex Shyr, Allison Janoch, Jon Long, Mario Fritz, Trevor Darrell

An Additive Latent Feature Model for Transparent Object Recognition at NIPS 2009

Mario Fritz, Michael Black, Gary Bradski, Sergey Karayev, Trevor Darrell

RESEARCH
EXPERIENCE

Graduate Student Researcher

UC Berkeley

September 2009 - Present

Worked with Profs. Trevor Darrell, Pieter Abbeel. Developed generative hierarchical models for local features for object detection and recognition; Constructed novel 3-D category-level dataset and implemented method for object detection; Constructed novel dataset and implemented apprenticeship learning for human visual attention; Implemented novel method for test-time efficiency for Anytime multi-class object recognition.

Undergraduate Researcher

University of Washington

October 2007 - June 2009

Worked with Profs. Steve Seitz, Luis Ceze. Augmented reality on a mobile device; novel human-computer interaction through a webcam; identification of mutex critical sections.

Research Apprentice

Friday Harbor Laboratories (UW)

April 2006 - June 2006

Worked with Profs. Shaun Cain, James Murray. Investigated the distribution of neuropeptides in the central nervous system of a sea slug.

TEACHING
EXPERIENCE

Graduate Student Instructor

University of California, Berkeley

Fall 2012, Fall 2013

Taught section and composed exams for CS 188: Artificial Intelligence taught by Dan Klein and Pieter Abbeel, offered to four hundred Berkeley undergraduates as well as online to thousands.

Teaching Assistant: Intro to Programming

University of Washington

Winter, Spring 2007

Taught section in the introductory programming course, CSE 142.

SKILLS

Programming: Python, Matlab, C++ for research. Python, Ruby, JavaScript for web dev. (Most code is open-source at <http://github.com/sergeyk>.)

Human: Fluent Russian.

SERVICE

CSGSA Officer: Industry Liaison for the Berkeley CS Graduate Association. *May 2012 - 2014*

Graduate Assembly Delegate: represented the department. *2010*

HONORS AND
AWARDS

National Defense Science and Eng. Grad. Fellowship (full tuition and stipend), 2009-2012

Mary Gates Research Scholarship (undergraduate research stipend), 2008

Microsoft Scholarship (CS department award), 2008

Honors Bordeaux Scholarship (full tuition for one year), 2008

Phi Beta Kappa, 2007-present

Mary Gates Honors Scholarship (full tuition for three years), 2005-2007

Robert C. Byrd Honors Scholarship (Washington State award), 2005-2009

National Merit Scholarship (sponsored by the Boeing Company), 2005-2009

Undergraduate Academic Excellence Scholarship (UW award), 2005.