

Software Development Intern

Zillow.com, Seattle, WA

Summer 2008

Maintained, improved, and added features for a high-traffic consumer website.

Teaching Assistant

University of Washington

Winter 2007, Spring 2007

Led section and graded for the introductory programming course, CSE 142.

Research Apprentice

Friday Harbor Laboratories (UW)

Spring 2006

Explored the distribution of neuropeptides in a sea slug central nervous system.

SKILLS

AI: Deep Learning, Computer Vision, System Deployment

Scientific and data: Python, Matlab, C/C++

Web development: Ruby, JavaScript

Some code is open-source at <http://github.com/sergeyk>

Fluent in Russian.

PUBLICATIONS

How Do Professors Format Exams? An Analysis of Question Variety at Scale at *L@S 2018*

Paul Laskowski, [Sergey Karayev](#), Marti Hearst

Gradescope: A Fast, Flexible, and Fair System for Scalable Assessment at *L@S 2017*

Arjun Singh, [Sergey Karayev](#), Kevin Gutowski, Pieter Abbeel

Anytime Recognition of Objects and Scenes at *CVPR 2014* (oral)

[Sergey Karayev](#), Mario Fritz, Trevor Darrell

Recognizing Image Style at *BMVC 2014*

[Sergey Karayev](#), Matthew Trentacoste, Helen Han, Aseem Agarwala, Trevor Darrell, Aaron Hertzmann, Holger Winnemöller

Caffe: Convolutional Architecture for Fast Feature Embedding at *ACM MM 2014*

Yangqing Jia, Evan Shelhamer, Jeff Donahue, [Sergey Karayev](#), Jonathan Long, Ross Girshick, Sergio Guadarrama, Trevor Darrell

Dynamic Feature Selection for Classification on a Budget at *ICML-W 2013*

[Sergey Karayev](#), Mario Fritz, Trevor Darrell

A Category-Level 3-D Object Dataset: Putting the Kinect to Work at *ICCV-W 2013*

Allison Janoch, [Sergey Karayev](#), Yangqing Jia, Jonathan T. Barron, Mario Fritz, Kate Saenko, Trevor Darrell

Timely Object Recognition at *NIPS 2012*

[Sergey Karayev](#), Tobias Bamgartner, Mario Fritz, Trevor Darrell

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

A Probabilistic Model for Recursive Factorized Image Features at *CVPR 2011*

[Sergey Karayev](#), Mario Fritz, Sanja Fidler, Trevor Darrell

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

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

AWARDS

Mark Everingham Prize (for work on the Caffe open source software), 2017

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

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.