

CATHERINE WAH

CONTACT INFORMATION 4095 Cesar Chavez St Apt 5 *E-mail:* catherine.wah@gmail.com
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PROFESSIONAL EXPERIENCE **Google Inc.**, Mountain View, CA 10/2014–present
Software Engineer, Photo Search / Photos
• *Photo Search*: Developed ranking algorithms for Photo Search features
• *Photos Machine Intelligence*: Led design and implementation of various features (infrastructure and algorithm development) related to “smart sharing” in the Google Photos app
• Built and maintained analytics dashboards for sharing-related features
• Filed 2 patents

Google Inc., Venice, CA 6/2013–9/2013
Software Engineering Intern, Visual Search
• Worked on attribute-based visual classification of shopping images

eBay Inc., San Jose, CA 6/2012–9/2012
Research Intern, eBay Research Lab
• Investigated visual retrieval of fine-grained clothing types and styles, resulting in an academic conference workshop presentation (CVPR 2013)

Amazon A9.com, Palo Alto, CA 6/2011–9/2011
Software Development Intern, Visual Search
• Prototyped an algorithm for mobile visual product search of visually similar items, aided by user input
• Filed patent “*Drawn Gesture Based Search to Identify Item*”

EDUCATION **University of California, San Diego (UCSD)**, La Jolla, CA
PhD, Computer Science, June 2014
C.Phil, Computer Science, June 2012
M.S., Computer Science, December 2011

University of Illinois, Urbana-Champaign (UIUC), Urbana, IL
B.S., Electrical Engineering with Honors, August 2008
• Computer Science Minor, Mathematics Minor

ACADEMIC EXPERIENCE **Computer Science and Engineering Department, UCSD**, La Jolla, CA
Graduate Student Researcher, advised by Serge Belongie 9/2008–6/2014
• *Visipedia*: Interactive visual recognition of fine-grained categories
• Co-created the Caltech-UCSD Birds 200 and Birds-200-2011 datasets (combined 600+ citations)
• Published at various top-tier computer vision conferences (see <https://scholar.google.com/citations?user=rCDdLUAAAAJ&hl=en>)
• Funded by the NSF Graduate Research Fellowship and UCSD Powell Foundation Fellowship

Toyota Technological Institute, Chicago, IL
Visiting Research Intern, hosted by Subhansu Maji 1–3/2014, 2–5/2013
• Worked on interactive visual recognition of fine-grained categories using similarity-based comparisons with multiple perceptual similarity metrics

- Presented resulting work at WACV 2015 and was awarded *Best Paper: Vision and Learning*

Electronic Engineering Dept., Chinese University of Hong Kong, Hong Kong

Visiting Research Staff, hosted by Xiaogang Wang 6/2010–8/2010

- Funded by the NSF International Research and Education in Engineering (IREE) Award

SKILLS

Languages: Java, Python, C++

Environment: Linux/UNIX, MacOS

Other: MATLAB, SQL, JavaScript, HTML/CSS

Familiar with image processing, computer vision, machine learning topics

Language Skills: Proficient in Mandarin Chinese

SERVICE

Program Committee Member, *Fine-Grained Visual Categorization (FGVC) Workshop* 2013, 2015, 2017

Current reviewer for computer vision conferences, including: ICCV, IJCV, CVPR, ECCV, BMVC

OTHER

U.S. Citizen