

CATHERINE WAH

CONTACT INFORMATION	<i>E-mail:</i> catherine.wah@gmail.com <i>Phone:</i> +1 (217) 377-5120	<i>Website:</i> http://www.catherinewah.com
PROFESSIONAL EXPERIENCE	<p>Google Inc., San Francisco, CA 10/2014–present</p> <p>Staff Software Engineer and Technical Lead/Manager (TLM)</p> <ul style="list-style-type: none">• <i>TLM, GenAI for Workspace</i> (2023–present): Building generative AI features for Google Workspace products• <i>TLM, AR&ML for Commerce</i> (2022–2023): Led an advanced research team focusing on ML-based image synthesis for virtual try-on of apparel• <i>TLM, Natural Language Understanding for Assistant</i> (2018–2021): Led tooling/evaluation team, and drove on-device NLU launch on a new surface (Android Auto) in multiple countries• <i>Photos Machine Intelligence</i> (2015–2018): Led end-to-end infra/algorithm design and implementation of “smart sharing” features for Photos• <i>Photo Search</i> (2014–2015): Developed ranking algorithms for Search features in Google Photos• Filed 2 patents <p>Technical Lead, Google.org Software Engineering Fellow 9/2021–3/2022</p> <ul style="list-style-type: none">• Led 9-person team in building a data platform solution for a non-profit organization, Benefits Data Trust, as part of a selective 6-month fellowship <p>Google Inc., Venice, CA</p> <p>Software Engineering Intern, Visual Search 6/2013–9/2013</p> <ul style="list-style-type: none">• Researched attribute-based visual classification of shopping images <p>eBay Inc., San Jose, CA</p> <p>Research Intern, eBay Research Lab 6/2012–9/2012</p> <ul style="list-style-type: none">• Investigated visual retrieval of fine-grained clothing types and styles, resulting in an academic conference workshop presentation (CVPR 2013) <p>Amazon A9.com, Palo Alto, CA</p> <p>Software Development Intern, Visual Search 6/2011–9/2011</p> <ul style="list-style-type: none">• Prototyped an algorithm for mobile visual product search of visually similar items, aided by user input• Filed patent “<i>Drawn Gesture Based Search to Identify Item</i>”	
EDUCATION	<p>University of California, San Diego (UCSD), La Jolla, CA</p> <p>PhD, Computer Science, June 2014</p> <p>C.Phil, Computer Science, June 2012</p> <p>M.S., Computer Science, December 2011</p> <p>University of Illinois, Urbana-Champaign (UIUC), Urbana, IL</p> <p>B.S., Electrical Engineering with Honors, August 2008</p> <ul style="list-style-type: none">• Computer Science Minor, Mathematics Minor	
ACADEMIC EXPERIENCE	<p>Computer Science and Engineering Department, UCSD, La Jolla, CA</p> <p>Graduate Student Researcher, advised by Serge Belongie 9/2008–6/2014</p> <ul style="list-style-type: none">• <i>Visipedia</i>: Interactive visual recognition of fine-grained categories• Published at top-tier computer vision conferences• Supported by NSF Graduate Research Fellowship and UCSD Powell Foundation Fellowship	

Toyota Technological Institute, Chicago, IL

Visiting Research Intern, hosted by Subhransu Maji 1–3/2014, 2–5/2013

- Investigated interactive visual recognition of fine-grained categories from similarity-based comparisons with multiple perceptual similarity metrics
- Awarded *Best Paper: Vision and Learning* at WACV 2015

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

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

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

COMMUNITY

Director, [Women in Machine Learning \(WiML\)](#) (2022-present)

Reviewer for CV/ML conferences and journals (2013–present), including: NeurIPS, ICML, ICCV, IJCV, CVPR, ICLR, ECCV, BMVC, WACV

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

Mentorship: Lumiere research program for high school students (2021-present), [MAGIC \(More Active Girls in Computing\)](#) (2015-2019)

Volunteering: 18 Reasons Kitchen, 826 Valencia, SFFILM, SF Marin Food Bank, The Marine Mammal Center harbor seal crew

OTHER

U.S. Citizen