

ANDREW ADAMS

<https://andrew.adams.pub>
andrew.b.adams@gmail.com

Summary

I am a research scientist and software engineer working on computational photography, compilers, and machine learning. For a list of publications see <https://andrew.adams.pub/>. For code samples see my work on Halide: <https://github.com/halide/Halide>.

Experience

Research Scientist (L6) - Facebook AI Research	2017 -
---	--------

-
- Research on compilers for machine learning and machine learning for compilers

Software Engineer (L6) - Google Research	2013 - 2017
---	-------------

-
- Built Halide up from a prototype to a production compiler used across the company
 - Contributed to the camera pipelines in Google glass, and the Nexus and Pixel phones

Postdoctoral Researcher - MIT	2011 - 2013
--------------------------------------	-------------

-
- Created Halide, a language for fast image and tensor processing, with Jonathan Ragan-Kelley

Education

PhD, Computer Science - Stanford University	2006 - 2011
--	-------------

-
- Worked on fast image processing and computational cameras under Marc Levoy
 - Internships at Google and Nokia Research
 - Won several awards for my teaching (Walter J. Gores Award, Forsythe Teaching Award, Centennial Teaching Assistant Award)

MS, Computer Science - Stanford University	2004 - 2006
---	-------------

-
- Research Assistant for Marc Levoy, working on light field photography

BS, Computer Science and Mathematics - UNSW	2000 - 2003
--	-------------

-
- Received the university medal in Computer Science
 - Section leader for introductory computer science courses throughout