

Carlos Riquelme

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SUMMARY

I work on designing & training efficient machine learning models at the largest scale at Google.
My focus are deep models that simultaneously handle dozens of tasks and numerous data modalities.

EXPERIENCE

Google Brain *June 2017 – Present*
Senior Research Scientist. *Mountain View, US, until 2018. Currently in Zurich, Switzerland.*
– Project lead for sparse foundation models at Google that use and apply adaptive levels of compute.
– Design, implementation & training of large-scale language and vision models (PaLI, VIT-22B, LIMoE).
– Additional work on model distillation, reinforcement learning, deep bandits and representation theory.
– Technical lead for selected collaborations with Google X.

Summer Internships (Bay Area): **Facebook** (2016), **Twitter** (2015), **Quora** (2014), **Adobe** (2013).

EDUCATION

Stanford University *September 2012 – June 2017*
PhD in Machine Learning & Statistics Online Active Learning with Linear Models

University of Oxford *September 2011 – September 2012*
MSc in Mathematics and Foundations of Computer Science Distinction (95/100).

Universidad Autónoma de Madrid *September 2006 – June 2011*
BEng Computer Science First Class Honours
BA Mathematics First Class Honours

Imperial College London *September 2009 – June 2010*
Exchange student in the Department of Mathematics

SELECTED AWARDS, FELLOWSHIPS AND SCHOLARSHIPS

Floodgate Fund, Venture Capital firm based in Palo Alto, CA. *September 2014 – June 2015*
Tech Advisor for *Radical Science* projects, working with partner Ann Miura-Ko (Twitter, Lyft, AngelList).

Fellow at SUM 2014 (Stanford - USTC - MIT) Hefei & Beijing, China. *September 2014*
Summer entrepreneurship program; broad perspective of business, technology and startups in China.

Hyundai Brilliant Young Entrepreneurs Award (ErgonDesk project, \$20K Prize) *May 2014*

DARPA Graduate Research Assistantship *September 2013 – December 2014*
US Defense Advanced Research Projects Agency grant to work on Online Stochastic Matching algorithms.

Brasenose Prize for Outstanding Performance in Mathematics *University of Oxford, 2012*

Fundación Caja Madrid Scholar *September 2011 - September 2012*
Full scholarship nationally awarded to two students in Mathematics. Attended the University of Oxford.

University Academic Excellence Scholarship *Madrid City Council, Spain*
Granted to top 0.05% achieving students across all Madrid universities. Awarded in 2007, 2008 & 2009.

Volunteering Guatemala (*Cooperatour*, 2008) & Nepal (*Raleigh International*, 2019).

Languages Spanish (native), English.

Athletics Stanford Men's Club Soccer. Brasenose College Rowing Club.