

EDUCATION

- Ph.D. in Computer Science, Stanford University, 2017
 - ◊ Co-advised by Stephen Boyd and Leonidas Guibas.
 - ◊ Research Interests: Convex optimization, combinatorial algorithms
 - ◊ Dissertation: *Approximation techniques for mixed-integer quadratic programs*
- B.S. in Computer Science, Stanford University, 2012

WORK EXPERIENCE

- Research scientist at Facebook, 2017–Present
 - ◊ Ads ranking ML algorithm / ads personalization team. Built a platform that collects real-time signals and aggregates them for personalized ads.
- Ph.D. software engineer intern at Instagram/Facebook, 2016
- Research intern at Microsoft Research New England, 2013
- Software engineer intern at imo.im, 2011
- Software engineer intern at Facebook, 2009

RESEARCH

- J. Park, *Approximation techniques for mixed-integer quadratic programs*, Ph.D. dissertation, Stanford University, 2017.
- J. Park and S. Boyd, *General heuristics for nonconvex quadratically constrained quadratic programming*, technical report (arXiv preprint), 2017.
- J. Park and S. Boyd, *A semidefinite programming method for integer convex quadratic minimization*, Optimization Letters, 2017.
- J. Park, *Sparsity-Preserving Difference of Positive Semidefinite Matrix Representation of Indefinite Matrices*, technical report (arXiv preprint), 2016.
- J. Park and S. Boyd, *Concave quadratic cuts for mixed-integer quadratic problems*, technical report (arXiv preprint), 2015.
- J. Park and M. Calo, *Symbolic Subdifferentiation in Python*, Independent work, 2011.
- J. Park and A. Ng, *Recognizing Human Actions in Videos*, Stanford CURIS project, 2010.
- J. Park and D. Kamm, *Cortically Inspired Architectures for Action Recognition in Movie Clips*, Independent work, 2010.
- M. Harris, D. Kamm, J. Park, and J. Wang, *Unsupervised Learning of Invariances in Deep Networks*, Independent work, 2010.
- M. Harris, J. Park, and J. Wang, *Deep Networks on the GPU*, Independent work, 2010.

TEACHING

- Co-instructor: Convex Optimization Short Course, ShanghaiTech University, 2016
- Instructor: Introduction to Competitive Programming Contests, 2012 (<http://cs97si.stanford.edu>)
- ACM-ICPC Pacific Northwest Problem Setter, 2015–2016
- Stanford ACM-ICPC Coach and Problem Setter, 2010–2015
- International Olympiad in Informatics (IOI) Student Coach of the Korea team, 2013
- USA Computing Olympiad (USACO) Coach and Problem Setter, 2008–2011

AWARDS/HONORS/SCHOLARSHIP

- Samsung Scholarship
- ACM International Collegiate Programming Contest (ACM-ICPC)
 - ◊ World Finals 2010: North America Champions
 - ◊ World Finals 2009: 20th place
- William Lowell Putnam Mathematical Competition
 - ◊ 2010: Honorable Mentioned Team
 - ◊ 2009: Honorable Mention
- International Olympiad in Informatics (IOI)
 - ◊ 2006: Gold Medal (2nd place worldwide)
- Stanford Tau Beta Pi Engineering Honors Society
- The Frederick Emmons Terman Engineering Scholastic Award, 2012