

## EDUCATION

- Ph.D. in Computer Science, Stanford University, September 2012–June 2017
  - ◊ Co-advised by Stephen Boyd and Leonidas Guibas.
  - ◊ Dissertation: *Approximation techniques for mixed-integer quadratic programs*
- B.S. in Computer Science, Stanford University, September 2008–June 2012

## 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

## WORK EXPERIENCE

- Research scientist at Facebook, June 2017–Present.
- Ph.D. software engineer intern at Instagram/Facebook, 2016
- Research intern at Microsoft Research New England, 2013.
- Software engineer at imo.im, 2011
- Software engineer at Facebook, 2009

## AWARDS/HONORS/SCHOLARSHIP

- Member of Association for Computing Machinery (ACM), 2010–Present
- Samsung Scholarship, 2008–2017
- Stanford Tau Beta Pi Engineering Honors Society, 2011–Present
- The Frederick Emmons Terman Engineering Scholastic Award, 2012
- ACM International Collegiate Programming Contest (ACM-ICPC)
  - ◊ World Finals 2010: North America Champions (14th place)
  - ◊ World Finals 2009: 20th place
  - ◊ Pacific Northwest Regional 2009: 2nd place
  - ◊ Pacific Northwest Regional 2008: 1st place
- William Lowell Putnam Mathematical Competition
  - ◊ 2010: Honorable Mentioned Team (7th place)
  - ◊ 2009: Honorable Mention (53rd place)
- International Olympiad in Informatics (IOI)
  - ◊ 2006: Gold Medal (2nd place worldwide)
- Asia Pacific Informatics Olympiad (APIO) 2007: Silver Medal (7th place)