Matthew Cadier Kim

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ABOUT ME

I work as a data scientist with a strong interest in probablistic graphical models. I am also currently doing research in combinatorial optimization and combinatorial commutative algebra with a keen interest in algorithm design.

EDUCATION

SFSU: M.A. in Mathematics, 2015 (in progress)
Advisor: Dr. Federico Ardila.
Thesis: *The Geometry of Signed Generalized Permutohedra*
SFSU: B.A. in Philosophy, minor: Mathematics, May 2012
Universtié Paris 1 Panthéon-Sorbonne
CSU International Exchange program in the dept. of Logic. 2010-2011

AWARDS

Maxwell Scholarship, College of Science and Engineering, SFSU, $4,000, 2013-14.
$(CM)^2$ grant, Department of Mathematics, SFSU, $5,000, 2012-2013.

PAPERS

Signed Permutohedra with David Arcila and Julián Romero, 2013

CONFERENCES ATTENDED

Symbolic and Numerical Methods for Tensors and Representation Theory, Simons Institute, Berkeley , USA, 2014.
Stanley @70, MIT, Cambridge, USA, 2014.
Encuentro Colombiano de Combinatoria, Univsersidad de Los Andes, Bogotá, Colombia, 2014.
Bay Area Discrete Math Day, Santa Clara, 2014
Bay Area Discrete Math Day, Berkeley, USA, 2013.

TEACHING

Pre-calculus Supplemental Class: Fall 2014, Spring 2014
TA Calculus I and II: Spring 2013, Fall 2013, Spring 2013
Algebra II: Spring 2013, Summer 2013
Algebra I: Fall 2013

WORK HISTORY

Argyle Data, Data Science Associate, 2014 - present.
SFSU, Graduate Teaching Assistant, September 2012 - December 2014.

SELECTED PROJECTS

PROGRAMMING LANGUAGES

Java, Python, Matlab, Julia, C/C++, Ruby, Latex

LANGUAGES

English (Native), French (Fluent written and oral)

REFERENCES

Federico Ardila, Associate Professor of Mathematics, SFSU, `federico@sfsu.edu`
Dr. Serkan Hosten Professor of Mathematics, SFSU, `serkan@sfsu.edu`
Dr. Joseph Gubeladze, Professor of Mathematics, SFSU, `soso@sfsu.edu`