Matthew Cadier Kim

CONTACT INFORMATION	Thorton Hall 912 San Francisco State University 1600 Holloway Ave San Francisco, CA 94132	`thecity.sfsu.edu/~mcadier` `m.cadier.kim@gmail.com`

RESEARCH INTERESTS

Discrete geometry in the context of **combinatorial and linear optimization**, and submodularity with some applications to machine learning

RECENT PROJECTS

Photo Storage — Building an application in Ruby on Rails for an ophthalmology research lab to sort and diagnose photos of patients in rural Niger.

Productivity Tools — Developed a UI in javascript for graders working on online calculus courses at SFSU. I transformed a work flow that involved multiple email accounts and browser tabs to a single GUI that emailed, saved, and archived grader feedback.
Future goals include extension to a stand alone web application and upgrading database.

EDUCATION

- **SFSU: M.A.** in Mathematics, 2014 (in progress)

ACADEMIC AWARDS

2013/14 **Maxwell Scholarship** Awarded through the College of Science and Engineering.

WORK EXPERIENCE

Fall/ Spring 2013-14 — TA -**SFSU** — As assistant instructor of all the online courses I maintain the online forum, manage a team of graders, maintain and update our databases, and develop javascript tools.

Fall/ Spring 2012-14 — Instructor -**SFSU** — Responsible for teaching sections of Algebra I, II and supplemental courses for Pre-Calculus.

PROGRAMMING LANGUAGES

Java, Javascript, C/C++, Ruby, R, Latex, Python, HTML, CSS, PHP

TOOLS

Ruby on Rails, MySQL, Sass and Sass based CSS frameworks

SOFT SKILLS

Excellent written and oral commincation skills developed and practiced through two years of teaching math courses.
Experienced in managing and working in small teams.

LANGUAGES

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

REFERENCES

Arek Goetz Professor of Mathematics, `goetz@sfsu.edu`

Federico Ardila, Professor of Mathematics, San Francisco State University, `federico@sfsu.edu`

Barry Levine, Professor of Computer Science, San Francisco State University, `levine12@gmail.com`