

# Bronson Lim

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Location: Crestline, CA

## OBJECTIVE

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Mathematics professor specializing in computational algebraic geometry looking to transition into data science and currently taking preliminary courses for an M.A. degree in Computer Science.

## EXPERIENCE

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### Assistant Professor

California State University San Bernardino

Aug 2020 – Present

San Bernardino, CA

- Taught a variety of undergraduate/graduate mathematics courses including discrete mathematics for computer science undergraduates, linear algebra, and real analysis.
- Supervised several undergraduate research projects including infectious disease modelling, lattice cryptography, and elliptic curve cryptography.
- Co-Chair of the Departmental Assessment Committee: designing/scoring/interpreting annual assessment tasks given to our undergraduate mathematics students.

### Research Assistant Professor

University of Utah

July 2017 – July 2020

Salt Lake City, UT

- Taught primarily multivariate calculus and (multivariate) real analysis undergraduate courses.
- Supervised two undergraduate reading courses including one on topological data analysis.

### Graduate Teaching Fellow

University of Oregon

Sep 2011 – June 2017

Eugene, OR

- Taught a variety of undergraduate course including three sections of statistics, linear algebra, and discrete mathematics.

## EDUCATION

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### California State University San Bernardino

Transitory Student in Computer Science

San Bernardino, CA

Aug 2022 – Present

### University of Oregon

Doctorate of Philosophy in Mathematics

Eugene, OR

Sep 2011 – June 2017

### California State University San Bernardino

Masters of Arts and Bachelors of Science in Mathematics

San Bernardino, CA

Sep 2005 – June 2011

## SELECTED PUBLICATIONS

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- Bronson Lim and Franco Rota. Characteristic classes and stability conditions for projective Kleinian orbisurfaces. *Math. Z.*, 300(1):827–849, 2022
- Bronson Lim. Equivariant derived categories associated to a sum of two potentials. *J. Geom. Phys.*, 160:Paper No. 103944, 24, 2021
- Bronson Lim and Alexander Polishchuk. Bondal-Orlov fully faithfulness criterion for Deligne-Mumford stacks. *Manuscripta Math.*, 165(3-4):469–481, 2021
- Zahid Hasan and Bronson Lim. Symmetric generation of  $M_{22}$ . *Comm. Algebra*, 45(10):4257–4274, 2017

## TECHNICAL SKILLS

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**Languages** : C++, SageMATH (Python), HTML,  $\text{\LaTeX}$   
**Statistical** : Hypothesis Testing  
**Dev Tools** : Linux, Vim, Git, GitHub