

# JASON BROWN

Los Angeles, California  
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## EDUCATION

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**University of California, Los Angeles CA** *June 2019 - Present*  
PhD in Applied Mathematics  
**California Polytechnic State University, San Luis Obispo CA** *June 2016 - June 2019*  
Bachelor of Science in Mathematics  
Minor in Physics  
**Sierra College, Rocklin CA** *June 2014 - June 2016*  
Associate's Degrees in Math and Physics  
Cumulative Undergraduate GPA - 4.0  
Cumulative Graduate GPA - 3.818

## RELEVANT COURSEWORK AND SKILLS

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**Advanced** MATLAB, LaTeX  
**Intermediate** C++, Mathematica, Python

### Relevant Graduate Coursework

- Numerical Analysis Sequence (f19-s20)
- Applied Differential Equations Sequence (f19-s20)
- Numerical Linear Algebra Sequence (w20-s20)
- Programming in C++ for Math Grad Students (w20)
- Linear Programming (f20)
- (Convex) Optimization (f20)
- Image Processing Seminar (f20)
- Calculus of Variations (w21)
- Digital Image Processing (w21)
- Neural Networks and Deep Learning (w21)

## ACADEMIC ACHIEVEMENTS

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Successfully passed all 3 graduate qualifying exams *September 2020*  
Recipient of MENTOR fellowship (NSF funded) *September 2020*  
Recipient of the Outstanding Graduating Senior Award for the College of Science and Math *June 2019*  
Two time recipient of the Edward Van Duyne Memorial Scholarship *June 2017/2018*  
Scored a 10 on the William Lowell Putnam Mathematical Competition *December 2017*  
Successful participant in the COMAP Mathematical Contest in Modeling *December 2016*

## PROJECTS/PRESENTATIONS

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### Research Project on the C-Numerical Range

Advised under Dr. Linda Patton, I worked for a year on a functional analysis project studying the geometric properties of the C-Numerical Range. The project involved reading research papers, writing scripts in MATLAB to implement algorithms and test hypotheses, and proving the supported conjectures. The project resulted in a poster presentation at the 2019 MAA conference in San Jose.

## PROFESSIONAL WORK EXPERIENCE

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**UCLA Math TA** *September 2019 - Present*  
**Cal Poly Mathematics Grader** *September 2017 - June 2019*  
**Sierra College Math Tutor** *January 2015 - June 2016*

## CLUB INVOLVEMENT/HOBBIES

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Member of the Cal Poly Table Tennis Club for 2 years and Treasurer for the 3rd year.  
Member of the Cal Poly Smash Club for 3 years.