

Sam Fleischer

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Born: December 4, 1991—Valencia, California, USA
Nationality: USA

Current position

PhD Student, Graduate Group in Applied Mathematics, UC Davis

Areas of specialization

Mathematical Ecology and Evolution • Computation

Education

2015 BS in Mathematics (Cum Laude), CSU Northridge
2020 (expected) PhD in Applied Mathematics, UC Davis

Grants, honors & awards

2013-2015 Dean's List, CSU Northridge
2014 PUMP Undergraduate Research Groups, Pacific Math Alliance, CSU Northridge, NSF Grant DMS-1247679
2015 3rd Place, Sigma Xi Student Research Symposium, CSU Northridge Chapter, Session II
2015 Outstanding Graduating Senior, CSU Northridge Mathematics Department
2015 Fall Graduate Program Fellowship, UC Davis Graduate Group in Applied Mathematics
2016 Winter Graduate Program Fellowship, UC Davis Graduate Group in Applied Mathematics
2016 Summer Departmental Fellowship, UC Davis Mathematics Department
2017 Winter Departmental Fellowship, UC Davis Mathematics Department
2017 NSF Graduate Research Fellowship Program Honorable Mention

Talks

2015 Sigma Xi Student Research Symposium, CSU Northridge Chapter, Session II
2015 Pacific Coast Undergraduate Mathematics Conference, California Lutheran University, Student Talk Session

Teaching experience

UC DAVIS ASSOCIATE INSTRUCTOR

2017 Winter Calculus for Biology and Medicine

UC DAVIS TEACHING ASSISTANT

2015 Fall Calculus
2016 Winter Linear Algebra
2016 Spring Calculus for Biology and Medicine
2016 Fall Calculus for Biology and Medicine
2017 Winter Calculus for Biology and Medicine
2017 Spring Calculus

UC DAVIS COSMOS SUMMER PROGRAM FOR HIGH SCHOOL STUDENTS TEACHING ASSISTANT

2016 Summer Robotics
2017 Summer Mathematical Biology

Leadership and membership

2013-2015 Vice President, Matador Math Society, CSU Northridge
2015-present Member, Galois Group, UC Davis
2016-2017 Representative of the Graduate Group in Applied Mathematics, Graduate Student Administration, UC Davis
2016-present Vice President, Society for Industrial and Applied Mathematics, UC Davis
2016-present Secretary, Association for Women in Mathematics, UC Davis

Volunteer work

2015-present Tutor, STEM Cafe, Women's Research and Resource Center, UC Davis
2015-present Presenter, Madison Park Business and Arts Academy, Jr. and Sr. High School Career Day, Oakland, CA
2016 Volunteer, Julia Robinson Math Festival, Da Vinci Charter Academy Jr. High School, Davis, CA
2016 Workshop Leader, Teaching Assistant Training, Mathematics Department, UC Davis

Other work experience

2007-present Private Mathematics Tutor
2014-2015 Software Computing Systems Undergraduate Student, Part Time Employee, Mission Sequence Sub-system, Cassini Program, NASA Jet Propulsion Laboratory, Pasadena, CA