Clifford Blakestad

PERSONAL

data.blakestad@gmail.com
www.cliffblakestad.com
GitHub | LinkedIn

EDUCATION

Ph.D. in Mathematics CU Boulder 2018

Dissertation: *On Generalizations of p-Adic Weierstrass Sigma and Zeta Functions*

B.S. in Mathematics Caltech 2011

SKILLS

Data Science, Mathematics, and Scientific Computing

Python (pandas, scikit-learn, numpy, Flask, matplotlib), SQL, Git
linear algebra, probability, arithmetic geometry,
MS Excel, Mathematica, LaTeX, Beamer, MS Powerpoint

Professional skills

Able to distill intricate technical concepts for communication, including written reports, one-on-one discussions, and group presentations

PROJECTS

arXiv paper recommender

A recommendation system which takes in the title and abstract of a mathematics paper and suggests ten similiar papers from the arXiv. Try it here.

Mathematical paper subject classifier

A classifier service that intakes a title and an abstract of a mathematics paper and predicts the appropriate mathematical subjects for the paper. Try it here.

EXPERIENCE

Postdoctoral researcher POSTECH 2019-2022

Used mathematical analysis to study complex and p-adic properties of modular forms resulting in publications. Communicated research findings at conferences.

Graduate researcher CU Boulder 2011-2018

Used mathematical analysis and scientific computing to study p-adic properties of algebraic curves and abelian varieties resulting in publications and invited talks.

Mathematics instructor and TA CU Boulder 2011-2018

Served as instructor for 10 semesters and TA for 5 semesters of courses in Calculus I-III. Taught classes of 30 college students, explaining complex mathematical concepts to a range of people.

SELECT PUBLICATIONS

C. Blakestad, Y. Choie, *Twisted Kronecker series and periods of modular forms on* $\Gamma_0(N)$*,* submitted

C. Blakestad and D. Grant, *Universal p-adic sigma and Weierstrass zeta functions,* Journal of Number Theory 249, 348-376 (2023)

R. Bell, C. Blakestad, A.C. Cojocaru, A. Cowan, N. Jones, V. Matei, G. Smith, I. Vogt, *Constants in Titchmarsh divisor problems for elliptic curves,* Res. number theory 6, 1 (2020)