

Roman Kitsela

Flat 24, Eden House ★ 89 Church St ★ London, NW8 8HN ★ roman.kitsela@gmail.com ★ (+1) 858-205-8811

SUMMARY

- * Natural problem solver with an exceptional mathematical background looking for new intellectual challenges in the new landscape of big data and AI.
 - * The ability to learn quickly, a keen analytic mind and the drive to excel in anything I do sets me apart as a candidate in dynamic and competitive environments.
 - * Strong quantitative skills allow me to naturally fit within any data science team but the unique perspective as an industry outsider makes me a rare asset.
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PROFESSIONAL EXPERIENCE

SAT/ACT Tutor - Huntington Learning Center

March 2021 - Dec 2021

- * Employed state-of-the-art software to provide quantitative metrics for individual student improvement - gave effective feedback for continued development of the software.
- * Greatly improved learning outcomes (measured by test scores) of students by researching and implementing modern teaching methods. Assigned the most challenging students.

Lecturer - UCSD

Jan 2019 - Oct 2020

- * Excelled in communication of complex technical concepts to mixed ability audiences - consistently scored excellent teaching quality student reviews.
- * Courses taught: Calculus (single-variable, multi-variable, vector), Differential equations, Linear algebra, Abstract algebra, Number theory
- * Adapted quickly during covid outbreak to restructure lectures. Learned javascript and Blender to incorporate dynamic 3D math visualization into lectures. Learned video editing techniques (Premiere Pro) to produce exceptional lecture materials.
- * Led a transition to remote teaching in two classes simultaneously by effectively managing teams of teaching assistants and graders.

Associate Instructor - UCSD

June 2018 - Dec 2018

- * Designed courses with novel interactive features relying on latest pedagogical techniques.
 - * Offered this student teaching position due to exemplary teaching record as a TA.
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EDUCATION

PhD - Mathematics **University of California, San Diego, USA**

Sept 2013 - Nov 2018

- * (2013) Awarded prestigious James B. Ax Graduate Fellowship

MASt - Mathematics **University of Cambridge, UK**

Oct 2012 - July 2013

BSc - Mathematics **University College London, UK**

Sept 2009 - July 2012

SKILLS

Technical

- * Python, Javascript, SQL (proficient)
- * LaTeX, HTML/CSS (proficient)
- * AI/ML fundamentals (grad level classes taken at UCSD, various projects)
- * Data structures and algorithms
- * Linear algebra and statistics
- * Full data science workflow:
 - EDA and data wrangling
 - Visualization (matplotlib, seaborn)
 - Data analysis (pandas)
 - ML model development (sklearn)

Non-technical

- * Research:
 - Creative problem solving
 - Excellent communication
 - Critical thinking
 - Time management
 - Collaboration
 - * Leadership
 - * Adaptability
 - * Exceptional work ethic
 - * Ukrainian (fluent), French (learning)
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