

JONNA C RODEN

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linkedin

PROFESSIONAL EXPERIENCE

University Tutor and Exam Marker

since 09/2019

University of Edinburgh

- Teaching of six courses in pure and applied mathematics to 150 undergraduate students in mathematics, informatics and engineering.
- Marking of exams and coding projects to consistently high standard and on tight deadlines.

PhD Applied and Computational Mathematics

since 09/2018

University of Edinburgh, Maxwell Institute Graduate School in Analysis and its Applications

- Research Expertise: Mathematical Modelling, Optimization, Numerical and Computational Mathematics, Industrial Applications.
- Industry project on marine propulsion systems: Designing deterministic and neural network models of the engine and optimizing for fuel efficiency to inform prototype building. Collaboration with three academics and two PhD students.

EDUCATION

BSc Mathematics, First Class Honours (Grade: 86%)

09/2014 - 06/2018

University of Strathclyde

- Awarded Astronomical Society of Glasgow Prize for the most distinguished student in the final examinations for a BSc Honours or MSc degree in Mathematics or Physics.
- Selected for an interdisciplinary research project on antibiotic drug discovery, collaborating with 15 students from Mathematics, Biology and Engineering and presenting results at a conference.
- Awarded place on Dean's List within a year of transferring from BA Psychology.

German Abitur (Grade: 1.6 / A*AA)

08/2011 - 07/2014

Berufliches Gymnasium Gesundheit und Soziales

- Awarded DMV-Abiturpreis Mathematik, a prize for the best grade in Mathematics.

EXTRACURRICULAR ACTIVITIES

SIAM-IMA Student Chapter Committee Member

since 06/2020

- Modelling camp. ** Number of students, number of problems, ... interdisciplinary and industrial and MSc + PhD
- Organized talk series with PhD alumni, an outreach event for undergraduates, established a network between different student chapters to facilitate efficient communication, collaboration and knowledge exchange.

Organization of events to connect PhD students in mathematics with those from other disciplines and to industry, as well as outreach events for BSc and MSc students.

Industry, Outreach, Alumni, Networking, Interdisciplinary, SIAM is important, IMA too, leadership, initiative

University of Edinburgh PG Colloquium Organizer

09/2019 - 08/2020

Organization of a seminar series where PhD students talk about their research or other interesting mathematical topics. Doubled frequency of talks, expanded scope of topics, academic fields, industries. Highly attended.

SKILLS

Programming

Matlab (proficient), Python, R.

Languages

German (native), English (fluent).