Patrik Gerber

Corpus Christi College, Merton Street – Oxford – United Kingdom

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Education

University of Oxford **Oxford, UK**
Mathematics and Statistics MMath *October 2015–present*
Triple First-class honours, with main areas of study being Statistics, Probability and Analysis.

Bolyai Janos Grammar School **Kecskemet, Hungary**
High School student *September 2011–June 2015*
Took 6 subjects at the Hungarian Matura with an average of 96%

Experience

Research Intern **Los Angeles, California**
Institute for Pure and Applied Mathematics, UCLA *June 2018–present*
Working in Deep Reinforcement Learning, specifically looking at improving the robustness of standard algorithms in the face of changes in the learning environment. We utilize Tensorflow as our Deep Learning framework, using video games such as the classic Atari games as our benchmarks.

Software Engineering intern **London, UK**
Softwire *July 2017–September 2017*
Worked in a team of 6 building a web application from scratch using Typescript, with Angular and Firebase. Gained familiarity with Git, CI pipelines, unit testing and agile software development principles, and learnt to adapt to new technologies quickly and independently.

IT Officer **Oxford, UK**
Corpus Christi College Commemoration Ball *October 2015–June 2016*
Created and maintained the event's website.

Awards

Department of Statistics Prize **Oxford, UK**
Department of Statistics, University of Oxford *July 2018*
Awarded to the top student studying Mathematics & Statistics

Gibbs prize **Oxford, UK**
Department of Mathematics, University of Oxford *July 2017*
Awarded to the top 2 students studying either Mathematics or Mathematics & Statistics

3rd prize **Nyíregyháza, Hungary**
XIII. National Piano Competition *March 2014*
I competed in the 16-22 age division of the triannual competition.

Bolyai prize **Kecskemét, Hungary**
Bolyai János Grammar School *March 2014*
Awarded each year to one graduating student for their academic performance and good standing in the community.

Skills

Programming languages - Most experience in Python, R; Have used Matlab, C++ and Typescript in the past

Frameworks and technologies - Most experience using Tensorflow and Git; Have used Firebase, Angular, Latex and Jenkins in the past

Data Analyis - Taken multiple theoretical and applied statistics courses, familiar with basics of the data analysis pipeline

Languages - Hungarian (native), English (proficient, IELTS 8.5), German (proficient, ÖSD C1 96/100)

Music - As an avid amateur pianist for 15 years, I've had the opportunity to play with various other musicians and even a small orchestra. I enjoy playing classical music from the 20th and 19th centuries mainly.