

Benjamin Fattori

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Canada

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| EDUCATION | <i>Honours Bachelor of Science</i> University of Toronto Mathematics Specialist, Physics Major Distinction | 2015 - 2020 |
| FURTHER EDUCATION | <i>Applied Machine Learning in Python</i> University of Michigan, Coursera Course Worked with many popular machine learning models using various Python libraries (e.g. Scikit-learn, Numpy, Pandas, and Matplotlib) | July 2020 |
| EMPLOYMENT | <i>Undergraduate Research Assistant</i> Department of Mathematics, University of Toronto · Helped design a novel model of oscillatory behaviour in the reward pathway of the mammalian brain · Wrote extensive code in MATLAB to implement, analyze and make predictions about the model · Applied techniques learned in differential equations and math modelling courses · Research is ongoing with goal of publishing results in 2020 | February, 2019 - June, 2019 |
| | <i>Art of Problem Solving - Grader</i> Toronto, ON · Provide clear and detailed feedback to student submissions · Courses graded include number theory, combinatorics, algebra, and calculus | April, 2019 - Present |
| SKILLS | · Python: Experienced; Used alongside Scikit-learn and NumPy, in computational physics courses, mathematics courses and pure CS courses · MATLAB: Experienced; Used in applied math research for simulations, implementing mathematical models and solving differential equations · PyTorch: Experienced · SQL Server: Junior Developer · C#: Junior Developer; Some experience with Microsoft Azure | |
| OTHER SKILLS | · Communication: Excellent written and verbal skills · Strong analytical skills: Strong quantitative and analytical reasoning skills · Teamwork: Used to working in groups and collaborating with others on research projects and coursework · Quick Learner: Ability to pick up difficult concepts and apply them to situations quickly | |