Eric Lawrence Dapp a Physicist with a knack for Mathematical Modelling (and a little Comp-Sci)

EXPERIENCE

Teacher's Assistant

University of Toronto at Scarborough | September 2013 – April 2015

Running a class of 10-15 students in weekly sessions, I provided support for first year Physics students. The meat of the sessions' activities entailed helping students with problems provided by the course instructor. Students were also given time to ask me about anything they wanted from the course material; And so, part of my job was fielding these questions and giving improvised mini-lectures whenever there was widespread misunderstanding.

PHILOSOPHY

I am a problem solver at heart. Whether it is a tricky physical theory, a model that does not do quite what you expect, a misunderstanding between two people, or just a solid math problem; there is no better way to spend time than understanding a problem and doing fun things with its solution.

STUDIES

Specialist in Physics and Astrophysics

University of Toronto | September 2011 – June 2015

In 4 years at University of Toronto, I studied the gamut of foundational physics. Classical Mechanics, Electromagnetic Theory, Fluid Mechanics, and Thermodynamics made up my classical physics studies, with courses in Quantum Mechanics and General Relativity serving as introductions to Modern Physics. My "fourth year project" (quotes, because I did it in third year) had me writing the code to allow automation of the University's motorized telescope mount. The success of this project resulted in regular community observations and a resurgence of interest after years of disuse.

Major in Mathematics

University of Toronto at Scarborough | September 2011 – June 2015

Beyond Calculus, Differential Equations, and Differential Geometry, which served as supplements to studies in Physics; My real interest in math sparked from an introduction to Group Theory, leading later to Ring and Field Theory. These subjects, building math from the ground up, stand as an indispensable foundation for how I think about and learn, not only math, but any new subject or skill.

SKILLS

Physics and Math

Problem Solving
Numerical Modeling
Scientific Computing
Research
Scientific Writing
Non-Scientific Writing
Typesetting
Data and Visualization

Code

Python
iPython
pandas
LaTeX

Music

Multi-Instrumentalist
Recording
Sequencing
Hardware and Software
Mastering

CONTACT

dapper.ic@gmail.com
831.578.2949
9921 Equestrian Place
Salinas, CA 93907

LINKS

linkedin.com/in/eldapp
dapperdata.blogspot.com