

# Record of Teaching and Scholarly Work

Ian Barland, Ph.D.

Over the course of ten years, I have taught a wide range of classes:

- Computer Science for Non-Engineers (five times, having designed the course from scratch)
- Introductory Programming (seven times total; in C and in Scheme, and twice designing and supervising lab sections),
- Intermediate Programming and Data Structures (three times, in C++ and Java, once designing and supervising lab sections),
- Discrete Math (three times)
- Semantics of Programming Languages (only once)
- Team Programming and Advanced Data Structures (co-taught three times, in C++ and Java, once as the primary instructor)
- A seminar on verification of concurrent programming (twice).
- Computational Complexity (only once)
- Finally, as a graduate student, I also TA'd for Intro Circuit Design, for Cybernetics, as well as classes similar to the above.

In addition, over the last 4 years I have worked on developing off-the-shelf modules for the TeachLogic project (see cover letter and CV). Other scholarly work includes my dissertation, on descriptive complexity and approximation.