JOSHUA T. GUERIN | Curriculum Vitae

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Summary & Skills

Computer Science Professor • AI Specialist • Competitive Strongman

SPECIALIZED SKILLS Answer Set Programming | Knowledge Representation and Reasoning | Logic Foundations of AI | Logical & Functional Programming | SAT Solvers

PROGRAMMING LANGUAGE **Experienced:** C | C++ | Clingo (Answer-Set Dialect) | Haskell | Java | Python
Familiar: Javascript | Lisp | Matlab | Perl | PHP | Prolog | R | Shell Scripting | SQL

FRAMEWORKS & TOOLS Docs Generators | Git | Graphviz/DOT Language | LaTeX | Unix CLI

Education

UNIVERSITY OF KENTUCKY — Lexington, KY
Ph.D., Computer Science — 2012
Dissertation
Graphical Models for Decision Support in Academic Advising.

Relevant Coursework
Algorithm Design | Artificial Intelligence | Bayesian AI
Boolean Functions | Data Mining
Database Systems | Declarative Programming
Programming Languages

M.S., Computer Science — 2010

Graduate Certificate, Cognitive Science — 2009

TRANSYLVANIA UNIVERSITY — Lexington, KY
B.A., Computer Science — 2002-2006
Minor: Psychology

Experience

UNIVERSITY OF TENNESSEE AT MARTIN — Martin, TN
Professor — 2021-present
Department Chair — 2018-2021
Interim Department Chair — 2017-2018
Associate Professor — 2016-2021
Assistant Professor — 2012-2016

UNIVERSITY OF KENTUCKY — Lexington, KY
Research Fellowship — 2012
Lexington Herald-Leader Research Fellowship

TRANSYLVANIA UNIVERSITY — Lexington, KY
Part-Time Instructor — Fall 2011

UNIVERSITY OF KENTUCKY — Lexington, KY
Teaching & Research Assistant — 2007-2011

Example Projects/Code

All examples are available on https://github.com/joshuaguerin.

DPLL

- A Haskell implementation of the DPLL algorithm for CNF satisfiability.

DOQMNT

- An Emacs extension for automatic/interactive generation of function, class, and file documentation.

KATTIS SOLUTIONS

- A set of solutions for problems on the competitive programming site open.kattis.com/.

Example Courses Taught

UNIVERSITY OF TENNESSEE AT MARTIN — 2012-Present

Algorithm Design and Analysis • Artificial Intelligence • Intro to C++
Autonomous Mobile Robotics • Computer Graphics • Data Structures
Discrete Mathematics • Microcontrollers Lab • Object-Oriented Programming
Programming Language Paradigms • Senior Capstone Project/Career Preparation
Theory of Computation • Quantum Programming