JOSHUA T. GUERIN | Professional Resume

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SUMMARY & SKILLS

Computer Science Professor • AI Specialist • 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

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

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

DOQMNT

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

ANSWER SET PROGRAMMING "ALGORITHMS"

- A set of classical problems solved in Clingo.

KATTIS SOLUTIONS

- A set of solutions for problems on open.kattis.com/.

SAMPLE SCHOLARLY ACTIVITIES

"The art of answer set solving." (Book in progress, working title.)

"SCWTN: Secure Computing in the Western TN Region" NSF Secure and Trustworthy Cyberspace (SaTC) Grant Proposal. NSF Proposal ID: 2006461. 2019
- For creation of one of the first cybersecurity programs in the state.
- Funding secured by university/Tennessee system.

Kathleen Ericson and Joshua T. Guerin, "doqmnt: Lowering Barriers for Better Documentation." (Abstract) Proceedings of the ACM Mid-Southeast Chapter Conference, Gatlinburg, TN, November 2021.