

# JOSHUA T. GUERIN | Professional Resume

✉ [jguerin@utm.edu](mailto:jguerin@utm.edu)

• Martin, TN

• ☎ (859) 576-2726

• GitHub

• LinkedIn

• Facebook

## 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 |  $\text{\LaTeX}$  | 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/](https://open.kattis.com/).

## SAMPLE SCHOLARLY ACTIVITIES

"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.
- (Not funded) Funding secured by university/system immediately after.

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