CMSC 631: Program Analysis & Understanding

`http://ter.ps/cmsc631f14`

Objectives:

1) introduce research areas of *programming languages* and *program analysis*

2) expose basic principles of research in computer science: how to articulate questions & recognize solutions

Deliverables:

1) writing & programming assign.

2) research project

Topics:

- Syntax & Semantics
- Types
- Symbolic Execution
- Abstract Interpretation
- Program Verification