

CSCI 1730 Capstone Abstract: SMoLest

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Abstract

To capstone my Brown Computer Science ScB, I completed advanced coursework in the course Design and Implementation of Programming Languages (CSCI 1730). The capstone project for this course involved adding additional functionality to a programming language called SMoLest using a constraint based programming called Redex (similar to Alloy). The main components of this project include adding functionality for booleans, equality, and conditionals, syntactic sugar for let, recursive let, and begin statements, and changing the language to evaluate function parameters in reverse order. This project gave me experience understanding the semantics of programming languages and implementing functionality for new programming languages.