Eliza Weisman

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Areas of Interest

Systems programming and operating systems ● functional programming ● programming languages, compilers; design and implementation.

Technologies

LANGUAGES: *Fluent in* Rust, Haskell, Scala, and Java; *familiar with* C & C++, Python, Lisp, x86 & x86_64 assembly.

FRAMEWORKS & LIBRARIES: Scalatra, Slick, ScalaTest, ScalaCheck, QuickCheck, Swagger

TOOLS: Travis CI, Jenkins, LATEX, git, bash, zsh, macOS, Unix/Linux.

Education

2012 – 2017 BS IN APPLIED COMPUTING, Allegheny College, Meadville, PA

Data Structures and Algorithms	Analysis of Algorithms
Computer Organization	Operating Systems
Principles of Software Engineering	Data Communication and Networks
Principles of Data Management	Compiler Design
Programming Language Implementation	Robotics and Multi-Agent Systems

Experience & Projects

2016 – 2017 An Editor — A terminal text editor currently being implemented in Rust. I designed the editor, and am responsible for a majority of implementation, as well as managing the project and using it to educate beginning programmers.

2015 – 2017 SOS — A toy operating system kernel for educational purposes. Notable as the first 64-bit x86 Rust OS with a boot sequence written entirely in Rust.

2015 Seax — a virtual machine for executing functional programs.

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