Maxfield Lehman

Contact

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Education

Current — B.S. Computer Science, B.A. Mathematics
Barrett, the Honors College at Arizona State University
Cumulative GPA: 3.82
Graduation: May 2018

Projects

Contractual Trust
System for specifying trust and conditions on smart contract updates.
Ongoing honors thesis project.
Focus on ability to granularly quantify trust in contract/library providers and elimination of certain attack vectors.

All The Rage
Sentiment analysis of english text.
Final project in multimedia information systems course, implemented in Perl 6.
Analysis portion of project focused on use of the tool to characterize political rhetoric in the 2016 election.

Pascal in Bermuda
Compiler for a subset of ObjectPascal.
Series of group projects in compiler construction course.
Implemented in Lex / Yacc / C and emitting optimized MIPS assembly.

Zipline
Command-line navigation utility, available on GitHub.
Eases vertical traversal of a directory structure.
Rewritten fork of a macOS-only CLI utility in *nix-friendly Perl and Bash.

Not Just Lemonade
Graphical simulation of the Game of Life, available on GitHub.
Honors project in object oriented programming course.
Implemented in Java.

Work Experience

Current since June 2017
Information Desk Supervisor at ASU
Automated data input and synchronization tasks between legacy and greenfield systems in addition to standard administrative tasks.

2016–2017
Undergraduate Teaching Assistant at ASU
Assisted students in a one-on-one environment during a programming course covering problem solving in Python. Focused on iterative and collaborative software development.

2016–2017
Grader at ASU
Implemented automated grading pipeline with support for modular testing components.