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Areas of Interest

Systems programming and operating systems • functional programming • programming languages and compilers.

Experience

2017-present **Software Engineer (Systems)** – Buoyant, Inc., San Francisco, CA

Education

2012-2017 **BS in Applied Computing** – Allegheny College, Meadville, PA

Selected Open-Source Projects

- 2015-present **SOS** – github.com/hawkw/sos-kernel
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.
- 2016-2017 **An Editor** – github.com/an-cabal/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.

LANGUAGES

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

TECHNICAL SKILLS

Functional programming, software testing, low-level programming, operating systems, embedded systems, version control.

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