# Colin Wallace

Seattle, WA

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## Education

**University of Washington**
BS EE with concentration in VLSI
3.9 GPA; magna cum laude

**Seattle, WA**
*03/2017*

## Skills

**Languages**   C, C++, Java, Python, Rust; some ARM and PIC assembly, D, Javascript

**Dev Tools**   Git, Bash, Make, Matlab, Mathematica, Subversion, Unix command-line tools

**Other**   Spice, Verilog, Cadence, LaTeX, HTML, CSS

**Math**   Linear algebra, Numerical analysis, Finite fields, Group theory, Multivariable calculus

## Experience

**Fluke Networks** – *Software Engineer*    **Everett, WA**   *05/2017-present*

> Algorithm & software design to detect and classify Power over Ethernet devices attached to a cable.

**Fluke Networks** – *Software Engineer*    **Everett, WA**   *06/2016-09/2016*

> Algorithm design & implementation for faster calculation of attenuation/dispersion-compensated TDR traces in lossy cables.

**Fluke Networks** – *Software Engineer*    **Everett, WA**   *06/2015-09/2015*

> Firmware design for an always-on MCU that handles power management in an embedded cable tester.

**University of Washington** – *Undergraduate Research*    **Seattle, WA**   *03/2016-06/2016*

> Sidechannel-resistant AES encryption/decryption using composite fields.

## Related Activities/Projects

**Contributor**   Rust; a systems programming language led by Mozilla   *09/2015-present*

**Maintainer**   LMMS; open source, cross-platform digital audio workstation   *06/2015-present*

**Officer**   Washington Open Objects Fabricators, UW; 3d printing club   *01/2014-06/2015*

**Author**   Printipi; circuitry & firmware for a Raspberry Pi powered 3D printer   *06/2014-05/2015*

## References

**Visvesh Sathe**   Assistant Professor, Ph.D EE; University of Washington. sathe@uw.edu

**Bill Gessaman**   Principal Engineer; Fluke Networks. bill.gessaman@flukenetworks.com