

Colin Wallace | Software Engineer

Seattle, WA

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Education

University of Washington

Seattle, WA

- › BS EE with concentration in VLSI
- › 3.9 GPA; magna cum laude

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 CLI tools

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

Math Linear algebra, Numerical analysis, Finite fields, Multivariable calculus

Experience

Fluke Networks – Software Engineer

Everett, WA

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

05/2017 - present

Fluke Networks – Software Engineer (intern)

Everett, WA

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

06/2016 - 09/2016

Fluke Networks – Software Engineer (intern)

Everett, WA

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

06/2015 - 09/2015

University of Washington – Undergraduate Research

Seattle, WA

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

03/2016 - 06/2016

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

Participant Oculus' Mobile VR Jam; virtual-reality gamedev challenge

05/2015

Author Printipi; PCB & firmware for a Raspberry Pi driven 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