Sam Castle

Computer Security and ICTD Researcher

185 Stevens Way
Box 352350
Seattle, WA 98195
+1 864-207-6285
stcastle@cs.washington.edu
www.samcastle.com

Summary

I am a Ph.D. Student at the University of Washington. My primary interests include computer security & privacy, information and communication technologies for development (ICTD), mobile devices and infrastructure, and data analytics.

Education

2015 — **Ph.D. in Computer Science and Engineering**, *University of Washington*, Seattle, WA.
Research: Computer security for digital financial services (mobile money) in emerging markets.
Advisor: Richard Anderson

2017 — **M.S. in Computer Science and Engineering**, *University of Washington*, Seattle, WA.

2010 – 2015 — **B.S. in Mathematics**, *Davidson College*, Davidson, NC.
Summa Cum Laude, Overall GPA: 4.00 out of 4.00
Minor in Astrophysics

Work Experience

2016 — **Graduate Research Assistant**, *Computer Science and Engineering*, University of Washington.

Sp 2015 — **NSF REU Student**, *Cerro Tololo Inter-American Observatory*, La Serena, Chile.
Developed automated computer vision tools in Python to analyze large image data sets.

2013 – 2014 — **Modeling & Simulation Intern**, *National Geospatial-Intelligence Agency (NGA)*, Department of Defense, Washington, D.C.
Summers 2013 and 2014.

Fall 2012 — **Meteor Physics Intern**, *NASA Marshall Space Flight Center*, Huntsville, AL.
Researched the particle size distribution of fragmenting meteors and assisted the NASA Meteoroid Environment Office in building automated meteor detection tools.

Publications

[1] Sam Castle, Fahad Pervaiz, Galen Weld, Franziska Roesner, and Richard Anderson. "Let's Talk Money: Evaluating the Security Challenges of Mobile Money in the Developing World". In: ACM Symposium on Computing for Development. DEV '16. Nairobi, Kenya: ACM, Nov. 2016.

Technical Skills

Languages	C, C++, Java, Python, Perl, MATLAB, Mathematica, Android, Racket
Graduate Coursework	Machine Learning, Security, Formal Verification, Systems, AI
Web	HTML, CSS, JavaScript, PHP
Security	SSL/TLS, PGP, OTR, OpenSSL, Tor, threat modeling, applied crypto, automated analysis, authentication