

github.com/srsudar
bitbucket.org/sudars

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EDUCATION

Seattle, WA	University of Washington	2014–June 2017
<ul style="list-style-type: none">• PhD in Computer Science and Engineering• Thesis: Leveraging Web Technology in Disconnected Environments• Research: Mobile systems and technology for the developing world (ICTD)		
Seattle, WA	University of Washington	2011–2014
<ul style="list-style-type: none">• MS in Computer Science and Engineering, GPA 3.66 of 4.0• Research: Machine learning to classify motor cortex signals for brain-computer interfaces		
Cambridge, UK	University of Cambridge	2010–2011
<ul style="list-style-type: none">• MPhil (Master's Degree) in Neuroscience, no grades awarded in UK system		
Seattle, WA	University of Washington	2004–2009
<ul style="list-style-type: none">• BS in Neurobiology; BA in English; BA in Philosophy, GPA 3.89 of 4.0		

RELEVANT EMPLOYMENT

Software Engineering Intern	Google	Summer 2016
<ul style="list-style-type: none">• Member of Chrome for Emerging Markets Team prototyping local network sharing of web content		
Software Engineering Intern	Google	Summer 2015
<ul style="list-style-type: none">• Member of Chrome for Emerging Markets Team working on a computer vision project for Android		
Software Engineering Intern	Yelp	Autumn 2013
<ul style="list-style-type: none">• Implemented web-based visualization platform rendering data from Amazon EC2		

PROJECTS AND OPEN SOURCE CONTRIBUTIONS

- **eg (2015–Present)**: Created popular project providing examples of Unix commands.
- **BioTool (2014–Present)**: Developed Chrome extension that performs basic DNA/RNA sequence manipulation useful to biologists. Code, including tests, is open source. Available on Web Store.
- **Roboelectric (2014)**: Contributor to this popular open source Android testing framework. Added support for testing PreferenceFragment objects. Enhanced XML resource resolution.
- **Let it Ride (2012–2014)**: Lead developer of Android sports betting app released in alpha for the 2013 season on Google Play. Wrote client- and server- side code and tests.

LANGUAGES AND TECHNOLOGIES

- Proficient: Java, Python, JavaScript, HTML, SQL. Familiar with languages in the C family.
- Android, Unix, Git, Mercurial, MySQL, SQLite, JUnit, Mocha, Grunt, Node, Maven, Gradle, Google App Engine, Android Studio, Google Cloud SQL, Eclipse

SELECTED PUBLICATIONS

- C Cobb and **Samuel Sudar**, N Reiter, R Anderson, F Roesner, and T Kohno. Computer Security for Data Collection Technologies. *ICTD 2016*.
- **Samuel Sudar** and Richard Anderson. DUCES: A Framework for Characterizing and Simplifying Mobile Deployments in Low-Resource Settings. *ACM-DEV 2015*.

TEACHING EXPERIENCE AND SELECTED AWARDS

- **Introduction to Android Programming (2016)**: Designed and taught a 300-level course introducing students to Android. Over 30 students, one hour a week, covering Android basics, application design, and testing.
- **Fogarty Global Health Fellowship (2014)**: NIH-funded research project for a year in Peru to apply ICTD to the detection and treatment of tuberculosis
- **Gates Cambridge Scholarship (2010)**: Highly competitive scholarship to study in the UK, awarded to 85 students globally