

# PAULO BARROS

Home Address:  
Rua Jornalista Guerra de Holanda 158  
Apt 102, Recife, PE, Brazil.  
CEP: 52061-010

Web page: <http://www.cin.ufpe.br/~pbsf>  
Phone: +55 (81) 98855-8331  
E-mail: [pbsf@cin.ufpe.br](mailto:pbsf@cin.ufpe.br)  
Skype ID: paulobsf

## EDUCATION

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- 2014 – 2016 (Expected)      **M.S. in Computer Science – Federal University of Pernambuco (UFPE)**  
Advisor: Prof. Marcelo d'Amorim.  
Recipient of a FACEPE fellowship for graduate studies. Period March 2014 - March 2016.  
FACEPE is the research funding agency from the State of Pernambuco, Brazil.
- 2008 – 2013      **B.S. in Computer Science – Federal University of Pernambuco (UFPE)**  
Mar/11 – Aug/11      **One semester as Exchange student at Hochschule Bremen – Bremen, Germany**

## PROFESSIONAL EXPERIENCE

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- June/14 – Sep/14      **SPARTA Project – University of Washington – Seattle, USA**
- June/13 – Oct/13      **SPARTA Project – University of Washington – Seattle, USA**  
Worked under the supervision of Prof. Michael Ernst on a type-system-based verification for mobile device security. Designed and implemented an approach to detect unintended sharing of sensitive data between different Android components or applications.
- Aug/11 – Feb/12      **BEA – Robert Bosch GmbH – Plochingen, Germany**  
Developed an Android application, which covers part of the German gas emissions test.

## PUBLICATIONS

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- ASE'15      **Static analysis of implicit control flow: Resolving Java reflection and Android intents.**  
by Paulo Barros, René Just, Suzanne Millstein, Paul Vines, Werner Dietl, Marcelo d'Amorim, and Michael D. Ernst.  
In *ASE 2015: Proceedings of the 30th Annual International Conference on Automated Software Engineering*, (Lincoln, NE, USA), November 11-13, 2015.
- CCS'14      **Collaborative verification of information flow for a high-assurance app store.**  
by Michael D. Ernst, René Just, Suzanne Millstein, Werner M. Dietl, Stuart Pernsteiner, Franziska Roesner, Karl Koscher, Paulo Barros, Ravi Bhorkar, Seungyeop Han, Paul Vines, and Edward X. Wu.  
In *Proc. of the 21st ACM Conference on Computer and Communications Security*, Scottsdale, AZ, USA, November 2014.
- ESEC/FSE'13      **SPLat: Lightweight Dynamic Analysis for Reducing Combinatorics in Testing Configurable Systems.**  
by Chang Hwan Peter Kim, Darko Marinov, Sarfraz Khurshid, Don Batory, Sabrina Souto, Paulo Barros, and Marcelo d'Amorim.  
In *Proc. of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering*, pages 257-267, Saint Petersburg, Russia, August 2013.