

Ravi Boraskar, Software Engineer

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EXPERIENCE

Software Engineer, Facebook

(Jul '14 — present)

- Work on the Local Content team, building features for the Facebook for Android app, the website, and the mobile site
- Worked as an intern manager. Conceptualized the project, and mentored the intern over 12 weeks to lead him to successfully complete the project
- Teach two classes on Android basics for new-hires at Facebook
- Involved in recruiting efforts — conduct programming interviews, represent the company in career fairs

Research Intern, Microsoft Research Redmond

(Jun '13 — Sept '13)

- Worked with **Dr. Jaeyeon Jung** on runtime security analysis of Android apps

Research Assistant, University of Washington

(Sept '12 — Jun '14)

- Worked with **Prof. David Wetherall** and **Prof. Michael D. Ernst** on Android bytecode manipulation

Research Intern, Microsoft Research India

(May '11 — Jul '11)

- Worked with **Dr. Krishnakanth Chintalapudi** and **Dr. Venkata Padmanabhan** on improving accuracy of wifi based indoor localization systems using inertial sensors

EDUCATION

Master of Science (Sept 2012 – June 2014)

Computer Science and Engineering, University of Washington

Advised by Dr. Jaeyeon Jung and Prof. David Wetherall

B. Tech with Honors (2008 – 2012)

Computer Science and Engineering, IIT Bombay

SELECTED PUBLICATIONS

- Michael D. Ernst, Rene Just, Suzanne Millstein, Werner M. Dietl, Stuart Pernsteiner, Franziska Roesner, Karl Koscher, Paulo Barros, Ravi Boraskar, Seungyeop Han, Paul Vines, and Edward X. Wu

Collaborative Verification of Information Flow for a High-Assurance App Store

ACM Computer and Communications Security (CCS), November 2014

- Ravi Boraskar, Seungyeop Han, Jinseong Jeon, Tanzirul Azim, Shuo Chen, Jaeyeon Jung, Suman Nath, Rui Wang, and David Wetherall

Brahmastra: Driving Apps to Test the Security of Third-Party Components

Usenix Security, August 2014

- Ravi Boraskar, Dominic Langenegger, Pingyang He, Raymond Cheng, Will Scott, and Michael D. Ernst

User Scripting for Android using BladeDroid

Asia-Pacific Workshop on Systems (APSys), June 2014

- Ravi Boraskar, Vijay Gabale, Purushottam Kulkarni, Dhananjay Kulkarni

Importance-aware Bloom Filter for Managing Set Membership Queries on Streaming Data

Communication Systems and Networks (COMSNETS 2013), January 2013

- Ravi Boraskar, Nagamanoj Vankadhara, Bhaskaran Raman, Purushottam Kulkarni

Wolverine: Traffic and Road Condition Estimation using Smartphone Sensors

Wireless Systems: Advanced Research and Development (WISARD 2012), January 2012

AWARDS AND HONOURS

- Finalist at the **Qualcomm Innovation Fellowship**, awarded for outstanding research
- **Gold Medals** in Indian National Physics Olympiad & Indian National Chemistry Olympiad
- Awarded **scholarship** by **Univ. of Sydney** to attend Harry Messel International Science School, 2007
- Awarded the **Kishore Vaigyanik Protsahan Yojana (KVPY)** fellowship for the period 2006-2008
- Awarded the **National Talent Search Examination (NTSE)** scholarship (India)
- Awarded the **Institute Award** for Academic Excellence in the year 2010-2011 by IIT Bombay
- Secured **All India Rank 13** in IIT-JEE 2008 (among 300,000 students)
- **19th position** in India at the ACM – Inter Collegiate Programming Competition, 2010

ACTIVITIES

- Sing with **The Vocal Network**, acapella group at Facebook
- Served on the undergraduate admissions committee, CSE, University of Washington
- Sang as a tenor with **University Singers**, choral ensemble at the University of Washington
- Worked in the on-board computing subsystem of Pratham, the Student satellite of IIT Bombay
- Popular Science talk on **Game Theory in Evolutionary Biology** at Annual Seminar Weekend, IITB
- Won **first prize** in inter-hostel debating championship. Represented IITB at two National Debates
- **Quizzing**: won **First Prize** at Convergence and **Third Prize** at Padarth (inter-college festivals)