

Frank Wang

Website: <http://stanford.edu/~frankw2>

Education

Stanford University

09/2008-Present

B.S. Computer Science with Honors (Expected June 2012)

Experience

Stanford Computer Security Lab (under Dan Boneh)

06/2010-Present

Research Assistant

- Stegotorus: A Camouflage Proxy for Tor
- Mobisocial (Joint work with Monica Lam's lab)
- Studied security design behind GPU programming languages, such as CUDA and OpenCL (part of my honors thesis)
- Developed Android application to preserve location privacy on social networks
- Worked on airplane communication security and authentication

Stanford Computer Security Lab (under John Mitchell)

05/2011-08/2011

Research Assistant

- Designed and implemented a secure health information exchange system using advanced cryptographic tools and logic programming

Stanford Flow Physics and Computational Engineering

06/2009-06/2010

Research Assistant

- Developed computational tools to perform analysis of electrochemical energy systems
- Carried out performance analysis of fuel cell systems using developed tools

Skills

- Experience programming in C, C++, Java, and Android programming platform
- Knowledge of cryptographic protocols and computer security
- Knowledge of computer networks and operating systems
- Experience programming Java servlets
- Familiarity with SQLite, MySQL, XQuery, and relational databases

Publications

1. P. Lam, J. Mitchell, A. Scedrov, S. Sundaram, **F. Wang**, *Declarative privacy policy: Finite models and Attribute-Based Encryption*. To Appear in ACM IHI 2012.
2. V. Viswanathan, **F. Wang**, and H. Pitsch, *Dynamic Monte-Carlo based approach for simulating nanostructured catalytic and electrocatalytic systems*, *Computing in Science and Engineering*. DOI: 10.1109/MCSE.2011.40.