

**CONTACT  
INFORMATION**

College of Information Sciences and Technology  
The Pennsylvania State University  
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**EDUCATION**

**The Pennsylvania State University**, State College, PA, USA

Ph.D. candidate, College of Information Sciences and Technology,  
Aug. 2011-Present

GPA: 3.8/4.0

- Major: Information Sciences and Technology
- Area of Research: Software Analysis, Software Security, Energy Efficient Building Simulation

**Nanjing University**, Nanjing, P.R. China

B.S., Software Institute, Sep. 2007-Jun. 2011

GPA: 84/100

- Major: Software Engineering
- Thesis Topic: Automatically Repairing QTP Test Scripts of GUI Application in Regression Test

**SELECTED  
PROJECTS**

**JCut**: Help users create trustworthy computing environments by cutting off user-undesired features from Java software by using interprocedural purity analysis, escape analysis, and live variable analysis.

**JRed**: Removing unused methods and classes from Java bytecode to reduce the size and improve the security of Java Program via combining interprocedural static data flow Analysis and dynamic analysis.

**Babel**: Obfuscating the software program by mixing two programming-paradigm-heterogeneous languages.

**BIMserver Query Generator**: Automatically generating Java source code to help energy efficient building designer perform BIMserver query by parsing architecture engineering domain formatted documents.

**ACADEMIC  
APPOINTMENTS****Research Assistant**

August 2011 – July 2013

College of Information Sciences and Technology,  
The Pennsylvania State University

- Member of EEBhub project

**Teaching Assistant**

August 2013 – Present

College of Information Sciences and Technology,  
The Pennsylvania State University

- IST 451 Network Security
- IST 220 Networking and Telecommunications

**HONORS AND  
AWARDS**

- **Robert W. Graham Endowed Graduate Fellowship**, 2011-2012, College of Information Sciences and Technology, the Pennsylvania State University
- **Excellent Project Award in CHIPS (China Innovation Program for Students) Contest**, 2009-2010, sponsored by Sun Microsystems and China Ministry of Education
- **Excellent Project Award in Citi Cup Financial & Information Technology Application Contest**, 2010, sponsored by Citigroup, Inc
- **Renmin Scholarship**, 2007-2010, Nanjing University
- **Speciality Scholarship for Social Practice**, 2008, Nanjing University

**PUBLICATIONS**

**Yufei Jiang**, Dinghao Wu, Peng Liu. **JRed: Improving Software Reliability and Security Through Trimming Redundant Code**. Submitted to ICSE2015.

**Yufei Jiang**, Nan Yu, Jiang Ming, Jason W. DeGraw, Sanghoon Lee, Abdou Jallow, Dinghao Wu, John I. Messner, John Yen, and Prasenjit Mitra. **Automatic Building**

**Information Model Query Generation.** Submitted to ITCon.

Pei Wang, Shuai Wang, Jiang Ming, **Yufei Jiang**., Dinghao Wu **Multilingual Obfuscation.**  
Submitted to USENIX Security 2015.

**Yufei Jiang**, Nan Yu, Jiang Ming, Lannan Luo, Chong Zhou, Sanghoon Lee, Abdou Jallow, Prasenjit Mitra, John Yen, Robert Leicht, John I. Messner, and Dinghao Wu. Poster **Simplify, Automate, and Integrate the BIM Data Exchange Process.** in *2013 EEB Hub Poster Session and Reception*, The Pennsylvania State University - University Park, PA, USA, April 16, 2013.

**Yufei Jiang**, Nan Yu, Jiang Ming, Lannan Luo, Chong Zhou, Sanghoon Lee, Abdou Jallow, Prasenjit Mitra, John Yen, Robert Leicht, John I. Messner, and Dinghao Wu. Poster **Subtask 3.2: Building Information Modeling (BIM) Data Hub.** in *2013 Building SyENERGY - The EEB HUB Spring Conference*, The Navy Yard - Philadelphia, PA, USA, March 20-22, 2013.

Nan Yu, **Yufei Jiang**, Lannan Luo, Sanghoon Lee, Abdou Jallow, John Yen, John Messner, Robert Leicht and Dinghao Wu. **Integrating BIMserver and OpenStudio for Energy Efficient Building.** in *2013 ASCE International Workshop on Computing in Civil Engineering (IWCCE)*, University of Southern California , Los Angeles, CA, USA, June 23-25, 2013.

**Yufei Jiang**, Jiang Ming, Dinghao Wu, John Yen, Prasenjit Mitra, John I. Messner, and Robert Leicht. **BIM Server requirements to support the energy efficient building lifecycle.** in *2012 ASCE International Workshop on Computing in Civil Engineering (ASCE 2012)*, Clearwater Beach, FL, June 17-20, 2012.

**Yufei Jiang**, Yuan Huang and Ruizhi Gao. **The Video of Xland: Two Core Use Cases of 3D Blog.** in *Videos Program of the 2011 ACM Conference on Computer Supported Cooperative Work (CSCW 2011)*, Hangzhou, China, March 19-23 2011.

## PROFESSIONAL EXPERIENCE

### Open Source Wonderland Community,

Community Member and Contributor

2009-2010

- Designed the Xland project as a 3D immersive blog, specific work included modifying Wonderland sources codes, adding access control mechanisms and database architectures, building different scenes, and developing Wonderland modules.
- All of our contribution and technical documents are committed to community.
- Invited by community as guest author to introduce our work on Open Wonderland official blog. (<http://blogs.openwonderland.org/2010/07/23/xland-3d-blog/>)
- Nicole Yankelovich, Executive Director of Open Wonderland Foundation, held a special showcase "Nanjing Showcase" with me for our work on 08/11/2010. (<http://blogs.openwonderland.org/?s=Nanjing+Showcase>)

## GENERAL TECHNICAL SKILLS

Highly proficient in Java, C and C++ used within a Windows / Linux development environment. Some experiences with other languages including Prolog, ML, R, Bash, Objective C, and Javascript. Substantial experience in Soot, OpenWonderland, MySQL, BIMserver, GUITAR, QTP and Android development.