

**CONTACT
INFORMATION**

College of Information Sciences and Technology
The Pennsylvania State University
324 IST Building, University Park
State College, PA 16802 USA

Mobile: +1-814-880-2305
E-mail: yzj107@psu.edu

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.

**HONORS AND
AWARDS**

NDSS 2015 Student Grants Award, 2015, Network and Distributed System Security (NDSS) Symposium, Internet Society.

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.

**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

PUBLICATIONS

Yufei Jiang, Can Zhang, Dinghao Wu, Peng Liu. **A First Step Towards Feature-based Software Customization**. Draft in Preparation.

Yufei Jiang, Dinghao Wu, Peng Liu. **JRed: Program Customization Using Iterative Hybrid Static and Dynamic Analysis**. Submitted to ISSTA2015.

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

Academic Service

External Reviewer of ENASE2015 2015

Open Source Wonderland Community

Open Source Community Member and Contributor 2009-2010

- Designed and implemented the Xland project as a 3D immersive blog based on Open Wonderland. Invited by community as guest author to introduce our work on Open Wonderland official blog. Nicole Yankelovich, the Executive Director of Open Wonderland Foundation, held a special showcase "Nanjing Showcase" with me for our work on 08/11/2010.

GENERAL TECHNICAL SKILLS

Highly proficient in Java, C and C++. Some experience with other languages including Prolog, ML, R, Bash, Objective C, and Javascript. Substantial experience in Soot, WALA, OpenWonderland, MySQL, BIMserver, GUITAR, QTP and Android development.

REFERENCES

Dr. Dinghao Wu
Assistant Professor
The Pennsylvania State University
313E IST Building, University Park
State College, PA, 16802, USA.
dinghao@psu.edu
814-867-3612

Dr. Peng Liu
Professor
The Pennsylvania State University
301F IST building, University Park
State College, PA, 16802, USA.
pliu@ist.psu.edu
814-863-0641