Daqing Hou

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a) Professional Preparation

Peking University	Beijing, P.R. China	Computer Science	**BS** 1992
Peking University	Beijing, P.R. China	Computer Science	**MS** 1995
University of Alberta	Edmonton, Canada	Computer Science	**PhD** 2004

b) Appointments

2006-present Department of Electrical and Computer Engineering, Clarkson University, Potsdam NY: Professor (2018-present), Associate Professor (2012-2018), Assistant Professor (2006-2012)

2004-2006 Avra Software Lab. Inc., Edmonton, Canada: Alberta Ingenuity Industrial Associate (post-doctoral research)

1998-2006 Department of Computing Science, University of Alberta, Edmonton, Alberta, Canada: Sessional Lecturer (2006), Research Associate (2004), Graduate Research and Teaching Assistant (1998-2003)

1998 Japan Computer Research Inc., Dalian, P.R. China: Software Architect

1995-1997 China Construction Bank, Dalian, P.R. China: Software Engineer

c. 1) Relevant Publications (undergraduate co-authors highlighted in *italic*)

1. Muhammad Asaduzzaman, Chanchal K. Roy, Kevin A. Schneider, **Daqing Hou**: Recommending Framework Extension Examples. ICSME 2017: 456-466
2. Muhammad Asaduzzaman, Chanchal Kumar Roy, Kevin A. Schneider, **Daqing Hou**: CSCC: Simple, Efficient, Context Sensitive Code Completion. IEEE ICSME 2014: 71-80. *Best Paper Nomination.*
3. Chandan Raj Rupakheti, **Daqing Hou**, "Evaluating Forum Discussions to Inform the Design of an API Critic", IEEE ICPC 2012: 10 pp. *Best Tool Demo Award*.
4. **Daqing Hou**, Lin Li, "Obstacles in Using Frameworks and APIs: An Exploratory Study of Programmers' Newsgroup Discussions", IEEE ICPC 2011. 10 pp.
5. Patricia Jablonski, **Daqing Hou**, "CReN: A Tool for Tracking Copy-and-Paste Code Clones and Renaming Identifiers Consistently in the IDE", OOPSLA Eclipse Technology eXchange Workshop, 2007: 5 pp.

c. 2) Other Publications (undergraduate co-authors highlighted in *italic*)

1. Jiaju Huang, *Bryan Klee, Daniel Schuckers*, **Daqing Hou**, Stephanie Schuckers:

Removing Personally Identifiable Information from Shared Dataset for Keystroke Authentication Research. IEEE ISBA 2019: 8 pp.

2. *Christopher Murphy*, Jiaju Huang, **Daqing Hou**, Stephanie Schuckers: Shared dataset on natural human-computer interaction to support continuous authentication research. IJCB 2017: 525-530.
3. Jiaju Huang, **Daqing Hou**, Stephanie Schuckers, *Timothy Law, Adam Sherwin*: Benchmarking keystroke authentication algorithms. WIFS 2017: 1-6.
4. Jiaju Huang, **Daqing Hou**, Stephanie Schuckers, *Zhenhao Hou*: Effect of data size on performance of free-text keystroke authentication. ISBA 2015: 7 pp.
5. Blaine Ayotte, Jiaju Huang, Mahesh Banavar, **Daqing Hou**, Stephanie Schuckers: Fast Continuous User Authentication using Distance Metric Fusion of Free-text Keystroke Data. CVPRW-Biometrics 2019: 9 pp.

d) Synergistic Activities

1. **PI for NSF REU Site**: REU Site: High Performance Computing with Engineering Applications (2019-2022)
2. **Program Co-chair** for IEEE IWSC 2019
3. **Certified Program Evaluator for ABET CSAB**, since Fall 2018.
4. **2018 Facebook Secure the Internet Grants**: “Behavioral Biometrics for Post-password Authentication” — “To supplement existing Facebook authentication and detect imposters after initial log-in, we propose to develop behavior-based authentication, where user profiles consist of identifiers derived from user interactions with desktop and mobile devices (e.g. keystrokes, mouse, swipes). We will extract higher-order activity such as widget interaction, Likes, and Shares from Facebook and combine these with basic identifiers to create stronger authentication, with shorter detect time.”
5. Created and supported dissemination of **two public research datasets** for keystroke and mouse dynamics, released in 2014 and 2018. https://citer.clarkson.edu/biometric-dataset-collections/