

CHEN HUO

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Education

- 2012–present **University of Delaware**Newark, DE
Ph.D. in Computer Science
Thesis title: Automated Techniques for Improving the Quality of Existing Test Suites
Advisor: James Clause
- 2010–2012 **University of Northern Iowa** Cedar Falls, IA
M.S. in Computer Science
Thesis title: Analysis of Covert Application Behavior
Advisor: Paul Gray
- 2006-2010 **Shanghai Jiao Tong University** Shanghai, China
B.S. in Electrical and Computer Engineering

Employment

- Summer 2016 **Software developer**, Intern, Amazon Seattle, WA
- 2014 – present **Teaching assistant**, University of Delaware Newark, DE
- 2012 – 2014 **Research assistant**, University of Delaware Newark, DE
- Summer 2012 **Software developer**, Intern, Banno Cedar Falls, IA
- 2010 – 2012 **Teaching assistant**, University of Northern Iowa Cedar Falls, IA

Current fields of interest

Software Engineering, Software Testing, Program Analysis, Dynamic Tainting

I Teaching

A Teaching Assistant

A.1 University of Delaware

- [1] General Computer Science for Enginners (CISC106): Fall 2016

- [2] Introduction to Computer Science (CISC108): Spring 2016, Fall 2014
- [3] Data Structures (CISC220): Spring 2015
- [4] Introduction to Algorithms (CISC320): Fall 2015
- [5] Formal Methods in Software Engineering (CISC414, CISC614): Fall 2015

A.2 University of Northern Iowa

- [1] Introduction to Computing (CS1510): Fall 2010, Fall 2011
- [2] Data Structures (CS1520): Spring 2011, Spring 2012
- [3] Web Development: Client-Side Coding (CS1100): Fall 2011

B Lectures

- [1] One lecture in Advanced Topics in Architecture and Software Systems (CISC879): Fall 2016

II Publications

- [1] C. Huo and J. Clause. “Improving Oracle Quality by Detecting Brittle Assertions and Unused Inputs in Tests.” In: *Proceedings of the 22nd International Symposium on the Foundations of Software Engineering (FSE)*. 2014, pp. 621–631. Acceptance rate: 22%.
- [2] C. Huo and J. Clause. “Interpreting Coverage Information Using Direct and Indirect Coverage.” In: *Proceedings of the 9th IEEE International Conference on Software Testing, Verification and Validation (ICST)*. 2016, pp. 234–244. Acceptance rate: 27%.

III Professional activities

A Conference Presentations

- [1] *Improving oracle quality by detecting brittle assertions*, International Symposium on the Foundations of Software Engineering, Hong Kong, China, Nov. 2014
- [2] *Interpreting coverage information using direct and indirect coverage*, IEEE International Conference on Software Testing, Verification and Validation, Chicago, USA, Mar. 2016

B Review work for technical journals and publishers

- [1] Multimedia Tool and Application: 2016, 1 article