

Robert Surton

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Education

Cornell University

PhD computer science, minor theatre performance, 2014

MS computer science, 2011

Rensselaer Polytechnic Institute

BS computer science, *magna cum laude*, 2007

Experience

Western Oregon University

Visiting professor, computer science, 2019–2020

Columbia Gorge Community College

Professor / department founder / chair of computing science, 2014–2019

Intel Labs

Post-doctoral virtualized networking research, 2013–2014

Cisco Systems

TCP recovery for high-availability routers, industry–academy collaboration, 2010–2011

Cornell University

Instructor, 2009, 2010

Independent contractor

System administration, web development, 2006

Xerox Office Group

Network stack benchmarking, printer testing, 2006

Custom embedded Linux distribution for two printer lines, 2005

Failure detector automation, system administration, 2004

Webhostworks.net

Web-based site configuration tools for hosting clients, 2003, 2004

Portland State University

Nickle programming language documentation, lab administration, 2002–2003

Honors and Associations

Oregon Council of Computing Chairs

OCCC Chair, 2015–2019

Columbia River Gorge Technology Alliance

Technology Leader of the Year Finalist, 2016

Rensselaer Polytechnic Institute

National Merit Scholarship, 2003–2007

Leadership Award, 2003–2007

Publications

Channel market analysis of application-driven connection recovery

PhD dissertation, advised by Robbert van Renesse, at Cornell University, 2014

Application-driven TCP recovery

Robert Surton, Ken Birman, and Robbert van Renesse, in DSN 2013

Network stacking considered harmful

Robert Surton, in Computing Frontiers 2013

Routers for the Cloud: Can the Internet achieve 5-nines availability?

Andrei Agapi, Ken Birman, Robert M Broberg, Chase Cotton, Thilo Keilmann, Martin

Millnert, Rick Payne, Robert Surton, and Robbert van Renesse, in IEEE Internet

Computing, Sep/Oct 2011

Dr Multicast: \mathbb{R} for data center communication scalability

Ymir Vigfusson, Hussam Abu-Libdeh, Mahesh Balakrishnan, Ken Birman, Gregory

Chockler, Robert Burgess, Haoyuan Li, and Yoav Tock, in EuroSys 2010

CrossT_EX: A modern bibliography management tool

Robert Burgess, in TUG 2007

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