

COMMUNITY SERVICE LEARNING IN COMPUTER SCIENCE: RESOURCES

1. “Making Service Learning Accessible to Computer Scientists.” Brian J. Rosmaita.

This article provides an overview of the benefits and challenges involved in community service learning projects in computer science classes.

http://academics.hamilton.edu/computer_science/brosmaite/talks/2007-03-10/fp230-rosmaita.html

2. “Computer Science and service learning: Empowering nonprofit organizations through open source content management systems.” Linda M. Seiter.

This resource describes how students can use free and open source software to build web sites for community organizations.

http://www.hfoss.org/symposium09/documentdl/papers/HFOSS_Symp-final28.pdf

3. Service-Learning in the Computer and Information Sciences: Practical Applications in Engineering Education.” Brian A. Nejmeh.

A book that provides a road map for service-learning partnerships between information science and nonprofit organizations: While service-learning is a well-known educational method for integrating learning experiences with community service, it is only now beginning to emerge in computer and information sciences (CIS). This book introduces a framework for service learning in CIS, addressing both the challenges and opportunities of this approach for all stakeholders involved—faculty, students, and community nonprofit organizations (NPOs), both domestic and abroad.

<http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118100344.html>

4. "Service Learning in Computer Science and Engineering." Leah H. Jamieson, Moderator.

A panel that includes students, professors, and community partners discusses various issues in service learning projects in computer science classes including how to fit it in the curriculum, the value of the soft skills often needed in pursuing these projects, and the competing agendas of the university and community partners.

<http://delivery.acm.org/10.1145/570000/563391/p133-jamieson.pdf>

5. "Incorporating service learning into computer science courses." Joo Tan, John Phillips.

This article provides excellent detail for professors interested in the design of specific types of service learning activities possible in computer science and describes how to deal with some of the challenges and the various benefits.

<http://delivery.acm.org/10.1145/1050000/1047854/p57-tan.pdf>

6. "Service Learning in Computer Science." Sonoma State University Center for Community Engagement.

This web site describes the two types of community service learning projects commonly done and provides examples.

http://www.sonoma.edu/cce/faculty/sl_computerscience.html

7. National Service Learning Clearinghouse.

The Clearinghouse is the Nation's #1 library of service-learning resources. The Clearinghouse offers thousands of free online resources for K-12, higher education, community based organization, and tribal communities. You may search for background as well as specific resources.

<https://gsn.nylc.org/clearinghouse>

