

1. Record Nr.	UNINA9910830056803321
Titolo	Service-learning in computer and information sciences : practical applications in engineering education / / edited by Brian A. NejmeH
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , 2012 [Piscataway, New Jersey] : , : IEEE Xplore, , [2012]
ISBN	1-280-69664-8 9786613673602 1-118-31912-5 1-118-31913-3 1-118-31910-9
Descrizione fisica	1 online resource (600 p.)
Classificazione	COM032000
Altri autori (Persone)	NejmeHBrian A
Disciplina	004.0711 620.00711
Soggetti	Information technology - Study and teaching Service learning
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface xi -- Acknowledgments xvii -- Contributors xxv -- Part I: A Framework -- CHAPTER 1 A Framework for Service-Learning in the Computer and Information Sciences 3 -- Brian A. NejmeH -- Part II: Organizational/Pedagogical Models and Approaches to Service-Learning in the Computer and Information Sciences -- CHAPTER 2 EPICS Program 27 -- William Oakes and Carla Zoltowski -- CHAPTER 3 Ten Years of EPICS at Butler University: Experiences from Crafting a Service-Learning Program for Computer Science and Software Engineering 39 -- Panagiotis K. Linos -- CHAPTER 4 The Collaborator 77 -- David Vader -- CHAPTER 5 The Humanitarian Free and Open-Source Software Project: Engaging Students in Service-Learning through Building Software 117 -- Ralph Morelli, Tris han de Lanerolle, and Allen Tucker -- Part III: Service-Learning Projects in the Computer and Information Sciences -- CHAPTER 6 Some Worked Better Than Others: Experience with a Variety of Service-Learning Projects 141 -- Ken

Vollmar and Peter Sanderson -- CHAPTER 7 EPICS Software Development Projects 159 -- William Oakes and Saurabh Bagchi -- CHAPTER 8 HFOSS Service-Learning Case Study: The Bowdoin-Ronald McDonald House Projects 173 -- Allen Tucker, Ralph Morelli, and Trishan de Lanerolle -- CHAPTER 9 Service-Learning and Project Management: The Capstone Course in Information Technology Leadership 195 -- Charles Hannon -- CHAPTER 10 Service-Learning and Entrepreneurship for Engineers 213 -- Lisa Zidek -- CHAPTER 11 Teaching Information Systems Ethics through Service-Learning 243 -- Thomas S. E. Hilton and Donald D. Mowry -- CHAPTER 12 Computer Literacy Service-Learning Project in Brazil 259 -- Wen-Jung Hsin and Olga Ganzen -- Chapter 13 Service-Learning through Agile Software Development 277 -- Joseph T. Chao and Jennifer B. Warnke -- CHAPTER 14 Empowerment through Service-Learning: Teaching Technology to Senior Citizens 297 -- Sally R. Beisser -- CHAPTER 15 Hybridizing Virtual- and Field-Based Service-Learning in Green IT 311 -- K. Branker and J. M. Pearce.

CHAPTER 16 Engaging Engineering Students in a Development Program for a Global South Nation through Service-Learning 335 -- Willie K. Ofosu, Francois Sekyere, and James Oppong -- CHAPTER 17 Leveraging Local Resources to Implement Community-Oriented, Sustainable Computer Education Projects in Los Angeles 357 -- Rohit Mathew and Christine M. Maxwell -- CHAPTER 18 Using Labdoo to Bridge the Digital Divide: A New Form of International Cooperation 369 -- Jordi ros-Giralt, Kevin Launglucknavalai, Daniel Massaguer, Julieta Casanova, and Christine M. Maxwell -- CHAPTER 19 The CHARMS Application Suite: A Community-Based Mobile Data Collection and Alerting Environment for HIV/AIDS Orphan and Vulnerable Children in Zambia 401 -- Brian A. Nejrneh and Tyler Dean -- Part IV: Lessons Learned about Service-Learning in the Computer and Information Sciences -- CHAPTER 20 Lessons Learned- Guidance for Building Community Service Projects 431 -- Michael Werner and Lisa MacLean -- CHAPTER 21 Assessing both the Know and Show in IT Service-Learning 453 -- Rick Homkes -- CHAPTER 22 From Kudjip to Succotz: The Successes, Lessons, Joys, and Surprises from 25 Years of Service-Learning Projects 473 -- James Paul Skon and Doug J. Karl -- CHAPTER 23 Educational Impacts of an International Service-Learning Design Project on Project Members and Their Peers 493 -- Peter E. Johnson -- CHAPTER 24 Is the Community Partner Satisfied? 517 -- Camille George -- CHAPTER 25 Service-Learning in the Computer and Information Sciences: Lessons Learned and Guidance for the Future 531 -- Brian A. Nejmeh -- Index 571.

Sommario/riassunto

"This book outlines necessary framework and successful scenarios trough presenting implementation examples and analysing the outcomes"--