

# CHRIS BOPP

Curriculum Vitae  
September 1, 2024

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Department of Computer Science  
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## Education

**Ph.D.**, University of Colorado Boulder (2020)  
Technology, Media & Society

**M.S.**, University of Colorado Boulder (2015)  
Information Communication Technology for Development

**B.S.**, Rochester Institute of Technology (2006)  
Information Technology

## Research Interests

Human-Computer Interaction (HCI); Human Centered Computing (HCC); Computer Supported Cooperative Work (CSCW); Philanthropic Informatics; Nonprofit Organizations; Critical Data Studies

## Professional Academic & Research Experience

- 2024–        Program Director, Data Science, St. Bonaventure University
- 2020–        Assistant Professor, Computer Science, St. Bonaventure University
- 2015–2019   Research Assistant, Philanthropic Informatics, University of Colorado Boulder
- 2015        Research Assistant, Project EPIC, University of Colorado Boulder

## Publications

H-Index: 8, Citations: 406

### Journal Articles

- J4    **Bopp, C.** & Volda, A. (2023). “Showing the Context”: A Need for Oligopticonic Information Systems in Homelessness Measurement. *Proceedings of the ACM: Human Computer Interaction*, 7(146).
- J3    **Bopp, C.** & Volda, A. (2020). Voices of the Social Sector: A Systematic Review of Stakeholder Voice in HCI Research with Nonprofit Organizations. *Transactions on Computer-Human Interaction*, 27(2), 9:1-9:26.
- J2    **Bopp, C.**, Benjamin, L.M., & Volda, A. (2019). The Coerciveness of the Primary Key: Infrastructure Problems in Human Services Work. *Proceedings of the ACM: Human Computer Interaction*, 3(51). (Acceptance Rate: 31%)

- J1 Benjamin, L.M., Volda, A. & **Bopp, C.** (2018). Policy Fields, Data Systems, and the Performance of Nonprofit Human Service Organizations. *Human Service Organizations: Management, Leadership, & Governance*, 42(2), 185-204.

### Archived & Peer-Reviewed Conference Papers

- C5 **Bopp, C.**, Foerst, A., & Kellogg, B. (2023). The Case for LLM Workshops: The Responsible Use of Large Language Models by Faculty at Small Liberal Arts Universities. In *Proceedings of the ACM Conference on Computer Science Education*. ACM. (Acceptance Rate: 33%)
- C4 **Bopp, C.**, Harmon, E., & Volda, A. (2017). Disempowered by Data: Nonprofits, Social Enterprises, and the Consequences of Data-Driven Work. In *Proceedings of the ACM Conference on Human Factors in Computing Systems* (pp. 3608-3619). ACM. (Acceptance Rate: 25%)
- C3 Harmon, E., **Bopp, C.**, & Volda, A. (2017). The Design Fiction of Philanthropic IT: Stuck Between an Imperfect Present and an Impossible Future. In *Proceedings of the ACM Conference on Human Factors in Computing Systems* (pp. 7015-7028). ACM. (Acceptance Rate: 25%)
- C2 Porter, E., **Bopp, C.**, Gerber, E. & Volda, A. (2017). Reappropriating Hackathons: The Production Work of the CHI4Good Day of Service. In *Proceedings of the ACM Conference on Human Factors in Computing Systems* (pp. 810-814). ACM. (Acceptance Rate: 25%)
- C1 Bica, M., Palen, L., & **Bopp, C.** (2017). Visual Representations of Disaster. In *Proceedings of the ACM Conference on Computer Supported Cooperative Work and Social Computing* (pp. 1262-1276). ACM. (Acceptance Rate: 35%)

### Industry Reports

Hulshof-Schmidt, R. (2023) Introduction to 2022 Data Empowerment Report. *NTEN Publications* (pp. 2-3). Available at <https://www.nten.org/publications/2022-data-empowerment-report>.

### Dissertation

**Bopp, C.** (2020) Doing “Good” with Scientific Data? Understanding and Working Around Data Doubles in Human Services Organizations. Committee: Drs. Amy Volda (Chair), Lehn Benjamin, Geoffrey Bowker, Leysia Palen, Danielle Varda.

### Honors & Awards

- 2019 Paper Recognition for Contribution to Diversity and Inclusion, ACM Conference on Computer Supported Cooperative Work and Social Computing
- 2018 First Place, Interdisciplinary Tech Ethics Competition, University of Colorado Boulder
- 2001 Eagle Scout, Boy Scouts of America

### Grants & Fellowships

- 2023 Keenan-Martine Grant, St. Bonaventure University, \$6,460  
Collaborators: Dr. Anne Foerst, Brian Kellogg
- 2021 Stitt Innovation Grant, St. Bonaventure University, \$10,000  
Collaborators: Dr. Megan Walsh, Brian Kellogg, Dr. Remah Alshinina
- 2016-2017 Community-Based Research Fellowship, University of Colorado Boulder

- 2014 Data Science for Social Good Fellowship, University of Chicago
- 2014 Interdisciplinary Projects Grant, University of Colorado Boulder, \$8,000  
Collaborators: Dr. Tom Yeh, Dr. Revi Sterling

## Invited Talks

- 2022 Designing Data Systems for Nonprofit Organizations. Blueprint Boulder. Boulder, Colorado.
- 2018 Measuring Impact/Nonprofit Evaluation. Philanthropy in the 21st Century Course. Indiana University.

## Conference Participation

### International Conference Presentations

- 2023 **Bopp, C.**, Foerst, A., & Kellogg, B. The Case for LLM Workshops: The Responsible Use of Large Language Models by Faculty at Small Liberal Arts Universities. ACM Conference on Computer Science Education. Portland, OR, USA.
- 2023 **Bopp, C.** & Volda, A. “Showing the Context”: A Need for Oligopticonic Information Systems in Homelessness Measurement. ACM Conference on Computer-Supported Cooperative Work and Social Computing. Minneapolis, MN, USA.
- 2020 **Bopp, C.** & Volda, A. Voices of the Social Sector: A Systematic Review of Stakeholder Voice in HCI Research with Nonprofit Organizations. ACM Conference on Computer-Supported Cooperative Work and Social Computing. Online.
- 2019 **Bopp, C.**, Benjamin, L.M., & Volda, A. The Coerciveness of the Primary Key: Infrastructure Problems in Human Services Work. ACM Conference on Computer-Supported Cooperative Work and Social Computing. Austin, TX, USA.
- 2017 **Bopp, C.**, Harmon, E., & Volda, A. Disempowered by Data: Nonprofits, Social Enterprises, and the Consequences of Data-Driven Work. ACM Conference on Human Factors in Computing Systems. Denver, CO, USA.
- 2017 Harmon, E., **Bopp, C.**, & Volda, A. The Design Fiction of Philanthropic IT: Stuck Between an Imperfect Present and an Impossible Future. ACM Conference on Human Factors in Computing Systems. Denver, CO, USA.

### Workshops Organized

- 2018 Strohmayr, A., Marshall, M., Verma, N., **Bopp, C.**, McNaney, R., Volda, A., Kirk, D.S., and Bidwell, N.J. Untold Stories: Working with Third Sector Organisations. In *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems*.

### Refereed Workshop Papers

- 2019 **Bopp, C.** Doing “Good” with Scientific Data? Understanding and Working Around Data Doubles in Human Services Organizations. In *Extended Abstracts of the 2019 CSCW Conference on Computer Supported Cooperative Work & Social Computing (Doctoral Consortium)*. Austin, TX.
- 2019 **Bopp, C.** Doing “Good” with Scientific Data? Understanding and Working Around Data Doubles in Human Services Organizations. *Consortium for the Science of Sociotechnical Systems*. New Brunswick, NJ.

## Posters

- 2018 **Bopp, C.** Doing “Good” with Scientific Data? Understanding and Working Around Data Doubles in Human Services Organizations. *Human-Computer Interaction Consortium Annual Conference*. Watsonville, CA.
- 2014 **Bopp, C.**, Chen, X., McCreery, I., Shan, C., Kim, Y. Evaluating Pathways to Stable Housing. *2014 ACM SIGKDD Conference on Knowledge Discovery and Data Mining*. New York, NY.
- 2012 Miller, A., Loewenstein, K., Soto, T., Komaie, G., Thomas, D., **Bopp, C.** Integrating Mental Health and Substance Abuse Services into a Systems-Level Partnership of Housing Providers: Lessons Learned from a Collaboration of Care within Homeless Services. *2012 SAMHSA’s Homeless Programs Annual Grantee Conference*. Washington, DC.

## Campus Talks

- 2024 Keynote Talk. Technology Trends: Current Opportunities & Threats. STEM Teacher Workshop. St. Bonaventure University.
- 2024 Virtual Reality & Social Impact. Internet & Law Course. St. Bonaventure University.
- 2024 Interdisciplinary Research. Exploring Interdisciplinary Research Course. St. Bonaventure University.
- 2024 Introduction to Artificial Intelligence & Societal Implications. Internet & Law Course. St. Bonaventure University.
- 2023 Stealing from Banks. Science on Tap. St. Bonaventure University.
- 2022 Showing the Context. Diversity, Equity, & Inclusion Lecture Series. St. Bonaventure University.
- 2019 Big Data and Ethics. Media Law and Ethics Course. University of Colorado Boulder.
- 2016–2019 Data for Social Good. Information and Communication Technology for Development Case Studies Course. University of Colorado Boulder.
- 2018 Nonprofits and Data. Management of Nonprofit Organizations in Public Health Course. University of Colorado Denver.
- 2014-2015 Social Media for Social Good. Introduction to Social Media Course. University of Colorado Boulder.
- 2015 Technology, Arts & Media Workshop. ATLAS Institute Workshop Series. University of Colorado Boulder.
- 2015 The Present and Future Role of Information Systems in Monitoring & Evaluating Social Programs. ATLAS Institute Expo. University of Colorado Boulder.
- 2014 Assessing Organizational and User Needs of an Offline Data Collection Tool for Field Use. ATLAS Institute Expo. University of Colorado Boulder.

## Teaching Experience

### St. Bonaventure University

Computer Networks (Fall 2020, Fall 2021, Spring 2023, Spring 2024)

Computer Science Research Methods (Fall 2023)

Introduction to Information Security (Fall 2020, Fall 2021)  
 Introduction to Penetration Testing (Spring 2022)  
 Introduction to Python (Fall 2022, Fall 2023, Fall 2024)  
 Principles of Programming Languages (Spring 2021, Spring 2022)  
 Software Engineering (Fall 2020, Fall 2021, Fall 2022, Spring 2024)  
 Technical Consulting in the Community (Fall 2021, Spring 2022, Fall 2022)  
 User Experience Design (Spring 2021, Spring 2022, Spring 2023, Fall 2024)  
 Introduction to St. Bonaventure (Fall 2024)

## University of Colorado Boulder

Human Centered Computing: Big Data - TA (Fall 2014)  
 Human Computer Interaction: Survey and Synthesis - TA (Fall 2014)  
 ICTD Laboratory (Fall 2015, Spring 2016, Fall 2016)  
 ICTD Practicum (Spring 2016)  
 Information Science Module: Concepts & Creativity - TA (Fall 2018, Fall 2019)  
 Introduction to Information Science: Designing Interactions - TA (Spring 2019)  
 Social Computing - TA (Spring 2014)

## Service

### University Committees

2023 First-Year University Course Committee, St. Bonaventure University  
 2021– Faculty Senate Technology Committee, St. Bonaventure University

### Honors Committees

2024– Member, Tanner Pasi, St. Bonaventure University  
 2023–2024 Advisor, Walter Kinder, St. Bonaventure University  
 2023–2024 Member, Teddy Murphey, St. Bonaventure University  
 2022–2023 Member, Dominic Gismondi, St. Bonaventure University  
 2021–2022 Member, Harry Romesburg, St. Bonaventure University

### Search Committees

2023 Assistant Professor of Computer Science, St. Bonaventure University  
 2021 Assistant Professor of Cybersecurity, St. Bonaventure University  
 2020 Associate Professor of Cybersecurity, St. Bonaventure University

### Other Department Service

- 2024– Curriculum Assessment: CS2023 Guidelines, St. Bonaventure University
- 2022– Supervision of Department’s Internships (20 Students), St. Bonaventure University
- 2021– New Student Annual Orientation, St. Bonaventure University
- 2020– Undergraduate Advisor (20 Students/Year), St. Bonaventure University
- 2022–2023 New Proposal of Data Science B.S., St. Bonaventure University
- 2021–2022 Admissions Annual Fall Open House, St. Bonaventure University
- 2021 Major Revision of Computer Science B.S., St. Bonaventure University
- 2020 Minor Revision of Cybersecurity B.S., St. Bonaventure University

### Courses Developed

- 2023 Computer Science Research Methods & Presentation, St. Bonaventure University
- 2023 Introduction to St. Bonaventure (Technology Module), St. Bonaventure University
- 2022 Introduction to Python, St. Bonaventure University
- 2022 Introduction to Penetration Testing, St. Bonaventure University
- 2021 Principles of Programming Languages, St. Bonaventure University
- 2021 User Experience Design, St. Bonaventure University
- 2020 Computer Networks, St. Bonaventure University
- 2020 Software Engineering, St. Bonaventure University
- 2020 Introduction to Information Security, St. Bonaventure University

### Reviewing

- Transactions on Computer-Human Interaction (2023, 2024)
- ACM Conference on Computer-Supported Cooperative Work and Social Computing (2018, 2019, 2022, 2023)
- ACM Conference on Computer Human Interaction (2017, 2018, 2019, 2022, 2023)
- ACM Conference on Designing Interactive Systems (2018, 2019, 2020)
- European Conference on Computer-Supported Cooperative Work (2020)

### Student Volunteer

- ACM Conference on Computer Human Interaction (2016, 2018)
- ACM Conference on Computer Human Interaction Program Committee (2017)
- American Evaluation Association Conference (2014)

## **Community Involvement/Outreach**

- 2023 STEAM Outreach, Fall in Love with Science, Olean, New York
- 2021 Website & Database Design, Interfaith Caregivers, Olean, New York
- 2022 Security Consultation, Enchanted Mountains Urgent Vet Care, Olean, New York
- 2022 Security Consultation, United Way of Cattaraugus County, Olean, New York
- 2021 Volunteer, Warming House, Olean, New York
- 2014–2015 Data Management and Analysis, access.mobile, Denver, Colorado
- 2014–2015 Data Collection Technology, Re:Vision International, Denver, Colorado

## **Non-Academic Work Experience**

- 2012–2014 Infrastructure & Security Engineer, AppliedTrust, Boulder, Colorado
- 2010–2012 IT Manager, AIDS Foundation of Chicago, Chicago, Illinois
- 2006–2010 Senior Information Security Consultant, Crowe Horwath, Chicago, Illinois

## **Professional Membership**

- Member, Association for Computing Machinery
- Member, ACM Special Interest Group on Computer Science Education