

Anna N. Baglione

ab5bt@virginia.edu

EDUCATION

- 2022 (Expected) **PhD in Systems Engineering**, University of Virginia
- 2018 **M.S. in Informatics**, Indiana University
- 2016 **B.S. in Computer Science and Engineering**, The Ohio State University
Cum Laude, With Honors in Engineering

RESEARCH EXPERIENCE

- 2018 - Present **Graduate Researcher**, Link Lab & Sensing Systems for Health Lab, University of Virginia
Supervisor: Laura Barnes, PhD
Focus Areas: mHealth for mental health, user engagement, digital phenotyping
- 2016 - 2018 **Graduate Researcher**, Proactive Health Informatics Lab, Indiana University
Supervisor: Patrick C. Shih, PhD
Focus Area: Grieving in the digital age; Designing for music therapists
- 2015 **Undergraduate Researcher**, The Ohio State University
Supervisor: Johanna C. Devaney, PhD
Focus Area: Music information retrieval
- 2015 **NSF REU Intern**, Center for Computation and Technology, Louisiana State University
Supervisors: Stephen David Beck, PhD and Christopher Branton, PhD
Focus Area: Digital laptop orchestras; Internet of Things
- 2013 **NSF REU Intern**, Virtual Reality Applications Center, Iowa State University
Supervisor: Stephen Gilbert, PhD
Focus Area: Intelligent tutoring systems for engineering equations

PUBLICATIONS

(Submitted for Publication). M. Boukhechba, **A.N. Baglione**, & L.E. Barnes, "Leveraging Mobile Sensing and Machine Learning for Personalized Mental Health Care," submitted to Ergonomics in Design: The Quarterly of Human Factors Applications, 2020.

(Under Review). S. Mendu, **A.N. Baglione**, S. Bae, C. Wu, B. Ng, G. Clore, M. Boukhechba, & L.E. Barnes, "A Generalized Framework for Private Social Media Discourse and Mental Health," submitted to the ACM Conference on Computer Supported Cooperative Work (CSCW). 2020.

(Under Review). J. Gong, J., **A.N. Baglione**, M. Boukhechba, K. Wells, & L.E. Barnes, "Challenges and Opportunities: Leveraging Mobile Sensing to Improve Medication Adherence," submitted to the IEEE Computer Magazine Special Issue on Personalized Pervasive Computing, 2020.

(Under Review). J. F. Maestre, P. Zdziarska, A. Min, **A.N. Baglione**, C. Chung, & P.C. Shih, "Not Another Medication Adherence App: Critical Reflections on Addressing Public HIV-related Stigma Through Design," submitted to the ACM Conference on Computer Supported Cooperative Work (CSCW), 2020.

(Under Review). A. Zakeresfahani, M.R. Everhart, **A.N. Baglione**, M.C. Llorca, V. Grant, N. Omega, A. Woertz, & J. Clawson, "Design Implications for Rural Alternative Pregnancy Care Providers", submitted to the ACM Conference on Computer Supported Cooperative Work (CSCW), 2020.

- 2019 S. Mendu, M. Boukhechba, **A. Baglione**, S. Bae, C. Wu, and L. Barnes, "SocialText: A Framework for Understanding the Relationship Between Digital Communication Patterns and Mental Health," in 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, USA, 2019, pp. 428–433, doi: 10.1109/ICOSC.2019.8665567.
- 2018 **A. N. Baglione**, M. M. Girard, M. Price, J. Clawson, and P. C. Shih, "Modern Bereavement: A Model for Complicated Grief in the Digital Age," in Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems - CHI '18, Montreal QC, Canada, 2018, pp. 1–12, doi: 10.1145/3173574.3173990.
- 2017 S. Natarajan, A. Prabhakar, N. Ramanan, **A. Baglione**, K. Siek, and K. Connelly, "Boosting for Postpartum Depression Prediction," in 2017 IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE), Philadelphia, PA, USA, 2017, pp. 232–240, doi: 10.1109/CHASE.2017.82..

PRESENTATIONS / SYMPOSIA

- 2017 **A. Baglione**, M. M. Girard, M. Price, J. Clawson, & P.C. Shih. "Mobile Technologies for Grief Support: Prototyping an Application to Support the Bereaved", Poster presented at the Workshop on Interactive Systems in Healthcare (WISH), Washington, D.C., USA, 2017.
- 2016 **A. Baglione**, C. Branton, & S.D. Beck, "OOT Client-Server Implementation: First Steps in the Orchestra of Things," Paper presented at the SEAMUS National Conference, Statesboro, GA, USA, 2016.
- 2015 **A. Baglione**, C. Branton, & S.D. Beck, "Many Devices, One Orchestra: An Internet of Things Approach to Collaborative Digital Music," Poster Presented at the Council on Undergraduate Research (CUR) Symposium, Arlington, VA, USA, 2015.

FELLOWSHIPS / GRANTS

Peter and Crisler Quick Fellow, Jefferson Scholars Foundation at UVA; \$10,000 / academic year

PROFESSIONAL ACTIVITIES AND SERVICE

- 2019 - Present **Mental Health Subcommittee Co-Leader**, Graduate Engineering Student Council (GESC), University of Virginia
- 2018, 2019 **Link Lab Student Representative** at Grace Hopper National Conference, University of Virginia
- 2017 - 2018 **Treasurer**, Graduate Informatics Student Organization (GISA), Indiana University
- 2017 **Graduate Student Mentor**, Proactive Health Informatics REU, Indiana University
- 2016 - 2017 **Student Volunteer Coordinator**, School of Informatics, Computing, and Engineering (SICE) Prospective PhD Student Visit Weekend, Indiana University

PROFESSIONAL AFFILIATIONS / MEMBERSHIPS

- 2018 - Present **Jefferson Scholars Foundation** at the University of Virginia
- 2016 - Present **Upsilon Pi Epsilon** International Honor Society for the Computing and Information Disciplines

PROGRAMMING SKILLS

Python, R, HTML/CSS/JavaScript, SQL

RELEVANT COURSEWORK

- **Statistical Modeling:** Probability and Stochastic Processes; Evidence Informed Systems Engineering
- **Machine Learning:** Data Mining; Applied Machine Learning
- **Natural Language Processing:** Text Mining
- **Human-Computer Interaction:** HCI Design Theory (taught by Erik Stolterman); HCI Seminar (taught by Jeffrey Bardzell); Human-Centered Research Methods; Mobile and Pervasive Design; Field Deployments