

FLANNERY CURRIN

currinf@denison.edu

EDUCATION

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| PhD | University of Iowa, Computer Science
Advisor: Juan Pablo Hourcade | May 2024, GPA: 4.0 |
| BA | Earlham College, Computer Science and Psychology | May 2019, GPA: 3.97 |

PROGRAMMING LANGUAGES/SKILLS

Python • Java • C++ • R/SPSS • HTML/CSS/JavaScript • AWS • Node • Unity

RESEARCH EXPERIENCE

University of Iowa, Iowa City, IA

Graduate Fellow and Graduate Research Assistant

Jan 2020 – Aug 2024

- Facilitated evaluation sessions of complex technology with preschool children age 3-5, and neurodivergent children age 3-8 conducted quantitative and qualitative analysis of evaluation sessions.
- Migrating application to AWS to support deployment for a longitudinal study (storycarnival.org) and multiple new features (use of NodeJS, DynamoDB, Cognito, Polly), managing interdisciplinary student development team.
- Assisted with exploratory project on participatory approaches to ethics of emerging technologies.

Indiana University, Bloomington, IN

Undergraduate Researcher

May 2018 - May 2019

- Designed a prototype of an application to facilitate communication between family caregivers and respite care workers.
- Recruited participants, conducted semi-structured interviews, and transcribed interviews.
- Extracted themes from interview data via open coding and affinity diagramming.
- Presented at CHI 2019, selected as finalists in the Student Design Competition.

Clio Muse, Athens, Greece

Technical Intern

Jan 2018 - May 2018

- Researched options for potential recommender system implementation options.
- Created a working model of a recommender system and proposed next steps.

Pacific Northwest National Lab, Richland, WA

National Security Internship Program Intern

May 2017 - Jul 2017

- Found, generated, and prepared data required to tie projects together.
- Produced Sankey diagrams for the Biodefense Policy Landscape Analysis Tool (bplat.pnnl.gov).

University of North Texas, Denton, TX

Undergraduate Researcher

May 2016 - Jul 2016

- Contributed to the design, implementation, and testing of a secure framework for DNA authentication.
- Analyzed and implemented existing algorithms for measuring edit distance.

TEACHING EXPERIENCE

Denison University, Granville, OH

Assistant Professor of Computer Science

Aug 2024 – Present

- Fall 2024:
 - Discovering CS: Markets, Polls, and Social Networks; Intermediate Computer Science

University of Iowa, Iowa City, IA

Graduate Teaching Assistant

Aug 2019 – Dec 2019

- Fall 2019: Computer Science I: Fundamentals
 - Assisted with grading and exam proctoring, held office hours, and led two lab sections.

Drobot Company, Dallas, TX

Game Development Lead Instructor

May 2019 - Jul 2019

- Taught campers in 3rd-8th grade to code with HTML, CSS, JavaScript, Lua, and Unity.
- Managed materials and communication for all Drobot camps (Game Development, STEM Quest, and Drone camps) in Dallas for the summer of 2019.
- Provided feedback on new curricula.

Earlham College, Richmond, IN

Teaching Assistant

Aug 2015 - May 2019

- Assisted with running lab and tutoring sections, grading, assignment creation and system management.
- Computer science: Programming & Problem-Solving, Data Structures, Algorithms, Principles of Computer Organization.
- Psychology: Social Psychology, Research Methods & Statistics.
- Interdisciplinary: Robotic Animals
 - Assisted with course design and co-taught course in Spring 2019

HONORS AND AWARDS

Alfred Healy Leadership Award in Developmental Disabilities

May 2022

CHI Doctoral Consortium Participant

May 2022

National Science Foundation Graduate Research Fellowship Recipient

2020

Graduate College Iowa Recruitment Fellowship Recipient

Aug 2019

CHI Student Design Competition Finalist

May 2019

Earlham College Natural Sciences Outstanding Student (1 of 3 in year)

May 2018

Earlham College Founder's Scholar (1 of 4 in class)

Aug 2015

SELECTED PUBLICATIONS

- Juan Pablo Hourcade, Summer Schmuecker, Delaney Norris, and **Flannery Hope Currin**. 2024. Understanding Adult Stakeholder Perspectives on the Ethics of Extended Reality Technologies with a Focus on Young Children and Children in Rural Areas. In *Proceedings of the 23rd Annual ACM Interaction Design and Children Conference (IDC '24)*. Association for Computing Machinery, New York, NY, USA, 455–468. <https://doi.org/10.1145/3628516.3655811> (**Best Paper**)
- **Flannery Hope Currin** and Juan Pablo Hourcade. 2024. Creating Personas of Parents of Young Children Based on Balancing Priorities. In *Proceedings of the 23rd Annual ACM Interaction Design and Children Conference (IDC '24)*. Association for Computing Machinery, New York, NY, USA, 105–118. <https://doi.org/10.1145/3628516.3655790>
- **Flannery Hope Currin**, Cassidy Kilcoin, Kerry Peterman, Kyle Rector, and Juan Pablo Hourcade. 2024. Opportunities and Challenges in Using Tangible, Teleoperated Voice Agents in Kid-Driven Moments in Play Among Families with Neurodivergent Children. *Proc. ACM Hum.-Comput. Interact.* 8, CSCW1, Article 103 (April 2024), 25 pages. <https://doi.org/10.1145/3637380>
- Juan Pablo Hourcade and **Flannery Currin**. 2024. The 4Cs for Young Children's Technology: Create, Connect, Communicate, and Control. In *Proceedings of the XXIII International Conference on Human Computer Interaction (Interacción '23)*. Association for Computing Machinery, New York, NY, USA, Article 28, 1–7. <https://doi.org/10.1145/3612783.3612812>
- **Flannery Hope Currin**, Kyle Diederich, Kaitlyn Blasi, Allyson Dale Schmidt, Holly David, Kerry Peterman, and Juan Pablo Hourcade. 2021. Supporting Shy Preschool Children in Joining Social Play. In *Proceedings of the 20th Annual ACM Interaction Design and Children Conference (IDC '21)*. Association for Computing Machinery, New York, NY, USA, 396–407. <https://doi.org/10.1145/3459990.3460729>

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LEADERSHIP EXPERIENCE

Leadership Education in Neurodevelopmental and Related Disabilities Project (LEND)

Trainee

Aug 2021 - May 2022

- Collaborated with self-advocates, family members, and graduate students and professionals in different fields related to disability through seminars, policy workshops, and group research projects.

University of Iowa Women in Computing Sciences

President

Aug 2020 - May 2021

- Organized social, professional, and technical development events for undergraduate and graduate students.

University of Iowa Directed Reading Program

Graduate Student Mentor

Jan 2020 – May 2020

- Mentored two undergraduate students on independent math-based projects.
- Taught R and statistical skills related to each student's particular interests.
- Led weekly meetings to discuss progress toward end-of-semester presentations.

Earlham Association for Computing Machinery - Women (ACM-W)

Student Chair

Aug 2017 - May 2019

Student Vice Chair

Jan 2016 - May 2017

- Helped start the student chapter at Earlham.
- Co-organized a campus screening of CODE: Debugging the Gender Gap and discussion.
- Led effort to create a poster for InWIC conference presentation.
- Planned and led chapter meetings.

Earlham Computer Science Department

Co-Student Representative

Aug 2018 - May 2019

- Organized student briefings and listening sessions.
- Contributed to discussions concerning faculty searches, course design, and proposed collaborations with other departments and programs.

Earlham Femme STEM House

Member

Aug 2018 - May 2019

- Helped establish the theme house for 2017 but was not yet officially a member.
- Attended weekly meetings and help plan and organize events.
- Led GRE information session.
- Recruited professors for discussion on marginalized people in STEM-focused academia.

VOLUNTEER EXPERIENCE

University of Iowa Best Buddies, Iowa City, IA

Peer Buddy

Aug 2019 - Present

- Meet one-on-one with a young adult with a developmental disability at least twice a month.
- Attend group social events.
- Maintained relationship with paired buddy via Zoom hangouts.

Premier Hospice, Richmond, IN

Hospice Volunteer

Jan 2016 - May 2019

- Visited hospice patients one-on-one on a weekly basis.
- Wrote letters to loved ones, played games, helped continue hobbies, and checked to make sure needs were being met.