Hana Frluckaj

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Profile

PhD Student at University of Texas at Austin and
Research Associate at Carnegie Mellon University.
Interested in researching social aspects of modern technology to create a better future, specifically in the context of open source software communities and participation.

Education

University of Texas at Austin; *Austin, TX*   *08/2021 - Present*
 Currently pursuing a doctoral degree in Information Studies
- Faculty Advisor: Professor James Howison

Carnegie Mellon University; *Pittsburgh, PA*   *08/2016 - 05/2020*
B.Sc. Electrical and Computer Engineering
- Minor in Human-Computer Interaction

Research Experience

Research Associate; Human-Computer Interaction Institute*, CMU   *05/2020 - Present*
*In conjunction with the Institute for Software Research.
- Currently at the CoEx Lab under professors Dr. Laura Dabbish and Dr. James Herbsleb.
    - Designing bot interventions on Github seeking to aid first-time contributors
    - Analyzing the unique experiences of BIPOC and trans, non-binary, and genderqueer folk in open source communities
    - Studying the maintainer and organizational influence on project diversity and newcomer retention
    - Analyzing Github conversations regarding codes of conduct and governance

Research Assistant; Human-Computer Interaction Institute, CMU   *09/2019 - 05/2020*
- An empirical qualitative study analyzing diversity and inclusion in open source.
- Screened 4000+ users, recruited and interviewed 21 participants, created a coding scheme following grounded theory, and first-authored a paper currently under review.

Research Assistant; Institute for Software Research, CMU   *09/2018 - 05/2019*
Project validated a new fault-injection framework by retrofitting existing open source applications, developing models of expected application results, and creating a general server in Erlang within Partisan protocol to accomplish hierarchical clustering.

Research Assistant; Electrical and Computer Engineering, CMU   *05/2018 - 08/2018*
Project involved building and programming a wireless system for neural recording, capable of streaming digitized data to a remote machine for analysis. Project required system design, PCB sketching and milling, and embedded systems application.

Publications	Li, Renee, Pavitthra Pandurangan, **Hana Frluckaj**, and Laura Dabbish. "Code of Conduct Conversations in Open Source Software Projects on Github." *Proceedings of the ACM on Human-Computer Interaction* 5, no. CSCW1 (2021): 1-31.
	(Major Revision) **Hana Frluckaj**, Laura Dabbish, David Gray Widder, James D. Herbsleb "Gender and Participation in Open Source Software Development" In: *Conference on Computer-supported Cooperative Work and Social Computing* (CSCW)
Papers in progress	**Hana Frluckaj**, Huilian Qiu, Laura Dabbish, Bogdan Vasilescu, "Trickle Down Diversity: Company Influence on open source project diversity"

Working Experience

IT Assistant, Institute for Software Research; *Pittsburgh, PA*   *09/2016 - 05/2020*
Performed diagnostics and initial troubleshooting tasks, investigated hardware and software issues, and assisted 120+ students, staff, and faculty with technological needs.

Technology Analyst, Deutsche Bank; *New York, NY*   *06/2019 - 08/2019*
Built a simulator for messages sent between international credit/debit tracking systems in Java using Spring environment. In parallel, built and presented a sentiment analysis application focusing on public traded companies, their stocks, and media bias in Python using ML and NLP. Advocated for increased diversity in presentations and discussions.

Engineering Aide, Consolidated Edison, Inc.; *New York, NY*   *07/2015 - 08/2017*
- *05/2017 - 08/2017*: Built test scripts and aided IT programmers in identifying algorithmic fallacies in OBIEE Performance Manager within Public Engineering.
- *09/2015 - 07/2016*: Reviewed data filing for over 4000 work requests, organized data lists of employee review calls, and maintained documentation of ConEd facilities.
- *07/2015 - 09/2015*: Reviewed conflicts of the energy grid, worked with external agencies, and compiled estimate cost data in Excel.

Skills

Programming Languages: Python, C/C++, Processing, Verilog, Java, Erlang, Go, and Matlab
Technical: Unix/Linux, Computer Security, Computer Systems, Sentiment Analysis, Digital Signal Processing, Test-Driven Development, User Experience Design, Human-Robot Interaction, and Computer Graphics
Research: Github repository mining, qualitative analysis, Grounded Theory, recruitment, interviewing, transcription, affinity diagrams, and literature reviews
Spoken Languages: English *(Native)*, Serbo-Croatian *(Native)*, French *(Working)*

Institutional Service

iSchool Diversity and Inclusion Committee   *08/2021 - Present*
SIGBOVIK 2021 - Moderation Chair
WiCyS 2019 - Student Volunteer

Students Mentored

Magali Astride Ngouabou Noubissi, student at Pomona University   *06/2020 - Present*

Raaka Mukhopadhyay, student at Carnegie Mellon University. *01/2021 - 05/2021*

Organizations

International Student Union; CMU *02/2017 - 05/2020*
Held the positions of President, Treasurer, and Secretary.
Women in ECE; CMU *09/2016 - 05/2020*
Society of Women Engineers; CMU *09/2016 - 05/2020*
Girls Who Code; Brooklyn Technical High School *09/2015 - 08/2016*
Held the position of Mentor.

References

Associate Professor Laura Dabbish: dabbish@cmu.edu
Professor James Herbsleb: jdh@cs.cmu.edu
Assistant Professor Bodgan Vasilescu: vasilescu@cmu.edu