

Hannah Gommerstadt

Education

- 2019 **Ph.D.**, *Computer Science*, Carnegie Mellon University, Pittsburgh, PA.
Thesis: Session-Typed Concurrent Contracts
Committee: Frank Pfenning, Limin Jia, Jan Hoffman, Bernardo Toninho, Adrian Francalanza
- 2016 **M.S.**, *Computer Science*, Carnegie Mellon University, Pittsburgh, PA.
- 2013 **B.A.**, *Computer Science & Mathematics*, Harvard University, Cambridge, MA.
Thesis: Securing Public-key Cryptography on the Android Platform.
Advisors: Stephen Chong & Aslan Askarov.
Minor: Near Eastern Languages and Civilizations.

Positions

- 2019 - **Assistant Professor of Computer Science**, *Vassar College*, Poughkeepsie, NY.
- 2013 - 2014 **Software Development Engineer**, *Microsoft Inc.*, Redmond, WA.

Awards & Honors

- 2018 Alan J. Perlis Graduate Student Teaching Award, Carnegie Mellon School of Computer Science
- 2017 - 2018 Carnegie Mellon University Presidential Fellowship
- 2015 - 2016 Microsoft Research Graduate Women's Scholarship
- 2014 - 2017 Achievement Rewards for College Scientists (ARCS) Scholarship
- 2014 National Science Foundation Graduate Research Fellowship (NSF-GRFP) Honorable Mention

Publications

- 2018 Hannah Gommerstadt, Limin Jia, Frank Pfenning. Session-Typed Concurrent Contracts. *European Symposium on Programming Languages (ESOP)*, April 2018.
- 2016 Limin Jia, Hannah Gommerstadt, Frank Pfenning. Monitors and Blame Assignment for Higher-Order Session Types. *Principles of Programming Languages (POPL)*, January 2016.

Invited Talks

- 2020 Panelist. Programming Languages Mentoring Workshop, Jan.
- 2019 I'm a Student Again: Heading to Graduate School after a Break. Grace Hopper Celebration. Oct.
- 2018 Session-Typed Concurrent Contracts. Harvard University Programming Languages Seminar, Apr.
- 2016 Monitors and Blame Assignment for Higher-Order Session Types. University of Maryland College Park Programming Languages Seminar, Nov.

Teaching

Vassar College

- Instructor **Computer Science II: Data Structures and Algorithms (CMPU 102)**, *Fall 2020, Spring 2020, Fall 2019*.
Undergraduate course on object-oriented programming and data structures.
- Instructor **Compilers (CMPU 331)**, *Fall 2020, Spring 2020*.
Undergraduate course on the design and implementation of compilers.

Carnegie Mellon University

Instructor **Principles of Imperative Computation (15-122)**, *Summer 2018, Summer 2017*.
Undergraduate course on code correctness, imperative programming and data structures.

Service

Vassar College.

- Academic Panel, 2020 - 2022.

Conferences and Reviews.

- Principles of Programming Languages (POPL) External Reviewer, 2021
- NSF Panel, 2020
- International Workshop on Programming Language Approaches to Concurrency and Communication-cEntric Software (PLACES) Program Committee Member, 2020
- Journal of Computer Security Reviewer, 2019
- Grace Hopper Celebration (GHC) Research Scholar Mentor, 2019
- Object-Oriented Programming, Systems, Languages & Applications (OOPSLA) Artifact Evaluation Committee, 2019

Carnegie Mellon University, *Computer Science Department*.

- Ombudsperson, 2017 - 2019.
- PhD Women group cofounder, 2014 - 2019.
- Representative to the Graduate Student Assembly, 2017 - 2018.
- Admissions Committee, 2018.

Harvard University.

- Executive Committee Member, Harvard Club of Western Pennsylvania, 2017 - 2019.
- Alumni Interviewer, 2013 - 2019, Seattle, WA & Pittsburgh, PA.

Memberships.

- Association for Computing Machinery (ACM)
- ACM Special Interest Group on Programming Languages (ACM-SIGPLAN)
- Special Interest Group on Computer Science Education (ACM-SIGSCE)
- Institute of Electrical and Electronics Engineers (IEEE)

Skills

Languages Native/Bilingual Proficiency in English & Russian. Proficiency in French, Hebrew & Spanish.
Programming C, Java/C#, HTML/CSS, \LaTeX , OCaml, Prolog, Python