

Georgiana Haldeman

VISITING ASSISTANT PROFESSOR · CSED RESEARCHER

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Education

Ph.D. in Computer Science

October 2021

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

B.S. in Computer Science

May 2013

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Professional Experience

Visiting Assistant Professor

July 2021 - Present

COLGATE UNIVERSITY

Lecturer

Spring 2018

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Research Assistant

Fall 2013 - Spring 2021

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Undergraduate Research Assistant

Spring 2012 - Fall 2013

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Software Developer

Spring 2011 - Fall 2012

GO!FOTON, NJ RESEARCH AND DEVELOPMENT LAB

Math and Computer Science Tutor

Spring 2010 - Fall 2011

RARITAN VALLEY COMMUNITY COLLEGE (RVCC), NJ

Website Developer for the Tutoring Center

Fall 2009 - Fall 2011

RARITAN VALLEY COMMUNITY COLLEGE (RVCC), NJ

Teaching Experience

† indicates a course which includes a weekly 2 hour laboratory, in addition to lecture

Introduction to Cryptography (COSC 480)

Fall 2022

COLGATE UNIVERSITY - A UNDERGRADUATE LIBERAL-ARTS INSTITUTION WITH A 5 COURSE TEACHING LOAD

Intro to Computing II (COSC 102)†

Spring 2022, Fall 2022

COLGATE UNIVERSITY - A UNDERGRADUATE LIBERAL-ARTS INSTITUTION WITH A 5 COURSE TEACHING LOAD

Intro to Computing I (COSC 101)†

Fall 2021, Spring 2022

COLGATE UNIVERSITY - A UNDERGRADUATE LIBERAL-ARTS INSTITUTION WITH A 5 COURSE TEACHING LOAD

Internet Technology (CS 352)

Fall 2020

RUTGERS UNIVERSITY - COURSE TAUGHT AS A TEACHING ASSISTANT DURING PHD PROGRAM

Introduction to Computer Science (CS 111)

Spring 2018

RUTGERS UNIVERSITY - COURSE TAUGHT AS A LECTURER DURING PHD PROGRAM

Data Structures (CS 112)

Summer 2016, Spring 2017

RUTGERS UNIVERSITY - COURSE TAUGHT AS A TEACHING ASSISTANT DURING PHD PROGRAM

Grants

Student-Wages Grant for 150 student hours

Fall 2022, Spring 2022

COLGATE UNIVERSITY

Faculty-Initiated Summer Research Fellowship in the amount of \$10,500

Summer 2022

COLGATE UNIVERSITY

Student-Wages Grant for 200 student hours

Summer 2022

COLGATE UNIVERSITY

OCTOBER 7, 2022

GEORGIANA HALDEMAN · ACADEMIC CV

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Refereed Publications

* indicates undergraduate student author

JOURNAL

- 2021** **Haldeman G**, Babeş-Vroman M, Tjang A, Nguyen T. "CSF2: Formative Feedback in Autograding", ACM Trans. Comput. Educ. 21, 3, Article 21 (September 2021), 30 pages. <https://doi.org/10.1145/3445983>
- 2015** **Haldeman G**, Rodero I, Parashar M, Ramos R, Zhang EZ, and Kremer U. "Exploring energy-performance-quality tradeoffs for scientific workflows with in-situ data analyses", Computer Science - Research and Development, May 2015, pp. 207-218. <https://doi.org/10.1007/s00450-014-0268-6>

CONFERENCE

- 2022** **Haldeman G**, Prasad G (2022). Exploring the impact of conceptual metaphors on learning about the notional machine. Manuscript in preparation.
- 2018** **Haldeman G**, Tjang A, Babeş-Vroman M, Bartos S*, Shah J*, Yucht D*, Nguyen T. "Providing meaningful feedback for autograding of programming assignments". 49th ACM Technical Symposium on Computer Science Education, SIGCSE 2018, Feb 2018, pp. 278-283. <https://doi.org/10.1145/3159450.3159502>
- 2017** Babeş-Vroman M, Juniewicz I*, Lucarelli B*, Fox N*, **Haldeman G**, Mehta A*, Chokshi R*, Nguyen TD, Tjang A. Exploring Gender Diversity in CS at a Large Public R1 Research University, 48th ACM SIGCSE Technical Symposium on Computer Science Education, SIGCSE 2017, March 2017, pp. 51-56.
- 2016** Aktas MF, **Haldeman G**, and Parashar M. "Scheduling and flexible control of bandwidth and in-transit services for end-to-end application workflows". Future Generation Computer Systems 56, March 2016, pp. 284-294.
- 2014** Aktas MF, **Haldeman G** and Parashar M, "Flexible Scheduling and Control of Bandwidth and In-transit Services for End-to-End Application Workflows", Fourth International Workshop on Network-Aware Data Management, New Orleans, LA, 2014, pp. 28-31.

POSTER

- 2022** Pizer E*, **Haldeman G** (2022). A code tracing visualization tool for learning how to compute time complexity. Manuscript submitted for publication.
- 2022** Ring M*, **Haldeman G** (2022). A code tracing visualization tool for illustrating value vs. reference semantics. Manuscript submitted for publication.
- 2019** Boyle JA*, **Haldeman G**, Tjang A, Babeş-Vroman M, Centeno AP, Nguyen TD. "Dynamic Recitation: A Student-Focused, Goal-Oriented Recitation Management Platform". 50th ACM Technical Symposium on Computer Science Education, SIGCSE 2019, Feb 2019, pp. 1269-1269.

Undergraduate Research Mentoring

COLGATE UNIVERSITY

Kevin Han '25 Summer 2022 - Present

DESIGNING AND IMPLEMENTING CODE TRACING VISUALIZATION TOOLS FOR INTRODUCTORY COURSES

Emma Pizer '23 Summer 2022

DESIGNING AND IMPLEMENTING A CODE VISUALIZATION TOOL FOR TEACHING TIME COMPLEXITY

Mary Ring '23 Spring 2022 - Summer 2022

DESIGNING AND IMPLEMENTING A CODE VISUALIZATION TOOL FOR TEACHING MEMORY DIAGRAMMS

Jon Cook '25 Spring 2022

DESIGNING CREATIVE ASSIGNMENTS FOR INTRODUCTORY COURSES

RUTGERS UNIVERSITY

Joseph Boyle 2017-2019

DYNAMIC RECITATION: A STUDENT-FOCUSED, GOAL-ORIENTED RECITATION MANAGEMENT PLATFORM

Yusup Badiev Summer 2019

IDENTIFYING MISCONCEPTION PATTERNS IN STUDENT CODE

Liam McCluskey Summer 2018

CLEANING UP AND ANONYMIZING STUDENT CODE

Leadership

President of the Computer Science Graduate Student Society

2017-2019

RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ

Honors & Awards

Excellence Award in Computer Science, RVCC, Branchburg NJ

2011