Benjamin Cohen

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EDUCATION

Ongoing	PhD, Human-Centered Computing University of Maryland, Baltimore County, Catonsville, MD
2023	MS, Computer Science *(with Honors)* Johns Hopkins University, Baltimore, MD
2014	MAT, Secondary Mathematics Towson University, Towson, MD
2010	BA, Economics Wesleyan University, Middletown, CT

PEER-REVIEWED JOURNAL ARTICLES

Ben Cohen, Ashley Hu, Deisy Patino, and Joel Coffman, "This is going on your permanent record: A legal analysis of educational data in the cloud," in *ACM Journal on Responsible Computing*, vol. 1, no. 3, pp. 1–27, Aug. 2024.

PEER-REVIEWED CONFERENCE PUBLICATIONS

Ben Cohen and Ian McCulloh, "Fragile minds: Exploring the link between social media and young adult mental health," in *Proceedings of the 2023 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM '23),* pp. 472–476, Nov. 2023.

*Best Paper Award

Ben Cohen, Ashley Hu, Deisy Patino, and Joel Coffman, "Educational data in the cloud: Legal implications and technical recommendations," in *Proceedings of the 15th IEEE/ACM International Conference on Utility and Cloud Computing (UCC '22)*, pp. 181–182, Dec. 2022.

REFEREED CONFERENCE PRESENTATIONS (NON-ARCHIVAL)

Ben Cohen, "Game theory and 'ethical' behavior by healthcare chatbots" (poster presentation), presented at Johns Hopkins AI-X Foundry Fall 2023 Symposium: "Charting a New Course: Navigating AI in Research Traditions," Sept. 2023.

ACADEMIC SERVICE

Johns Hopkins University Editorial Assistance Services Initiative (EASI)
Freelance editor Summer 2025–present

IEEE Transactions on Artificial Intelligence
Ad-hoc reviewer Summer 2023–present

COLLEGE TEACHING EXPERIENCE

Towson University
Adjunct Faculty I, Department of Mathematics
MATH 263: Discrete Mathematics — Spring 2024
MATH 115: College Algebra — Fall 2022–Fall 2023; Fall 2024; Spring 2025

Johns Hopkins University
Teaching Assistant, Engineering for Professionals program
EN.605.731: Cloud Computing Security — Summer 2023; Spring 2024; Spring 2025

Wesleyan University
Course Assistant, Department of Economics
ECON 110: Introduction to Economic Theory *(by special permission)* — Fall 2010, Spring 2011

Teaching Apprentice, Department of Economics
ECON 101: Introduction to Economics — Spring 2010
ECON 110: Introduction to Economic Theory — Fall 2009
ECON 302: Macroeconomic Analysis — Spring 2009

Tutor, Department of Economics
ECON 301: Microeconomic Analysis — Spring 2009–Spring 2010

K–12 TEACHING EXPERIENCE

Towson High School, Towson, MD
Mathematics Teacher
AP Computer Science Principles — 2016–22
Honors Calculus — 2018–20; 2021–22
Trigonometry with Algebra — 2019–21
Honors Algebra 2 — 2014–15; 2018–19
Gifted and Talented Algebra 2 — 2015–18
Honors Trigonometry with Analytic Geometry — 2015–16
Gifted and Talented Geometry — 2014–15

Educational Testing Service
AP Reader
Computer Science Principles *(Kansas City, MO)* Summers 2019 and 2022
Computer Science Principles *(remote)* Summers 2020 and 2021

Johns Hopkins Center for Talented Youth
Instructor
"Game of Life: The Theory of Strategic Behavior" *(online)* Summer 2020–Summer 2021
"Mathematics of Competitive Behavior" *(Princeton, NJ)* Summers 2017–19

Teaching Assistant
"Mathematics of Competitive Behavior" *(Princeton, NJ)* Summers 2015 and 2016
"Game Theory and Strategy" *(Lancaster, PA)* Summer 2015

OTHER PROFESSIONAL EXPERIENCE

Educational Testing Service, Princeton, NJ *(remote)*
Assessment Specialist III October 2025–present
Assessment Specialist II June 2022–October 2025

Assist in production of multiple AP Computer Science A, Computer Science Principles, Macroeconomics, and Microeconomics exam forms while serving as primary point of contact for College-Level Examination Program (CLEP) Information Systems exam. Compiled data on the performance of ChatGPT on CS Principles "Create" Performance Task questions and presented findings and suggestions to divisional senior leadership. Designed and implemented framework for internal item review that resulted in 10 percent reduction in time needed to review item collections before presentation to client. Developed plan to complete partially assembled 2024 digital exam form that eliminated the need for new form-specific item development while maintaining compliance with client's required specifications. Presented best practices for "Test Assembly Assistant" tool to content-area groups as well as individual subject teams throughout College Board Assessment (CBA) group at request of CBA senior leadership. Worked closely with internal stakeholders both within and outside CBA as well as with client to implement written-response section for 2024 CS Principles exam, including item authoring and editing, management of internal review and layout processes, recruitment of external reviewers, and assistance with projecting read rates. Assumed responsibility for process-management tasks for 2024 English Language and English Literature digital exam forms, ensuring that all deadlines were met despite vacancies in three of five test-development positions.

Towson University Campus Recreation Services, Towson, MD
Graduate Assistant, Marketing and Special Events Fall 2012–Winter 2014

Developed special events manual with detailed information on logistics, required permits, additional considerations, and timelines for special events planned and hosted by Campus Rec. Collaborated with colleagues from across Student Affairs to plan all-school events during orientation and at the end of the spring semester. Served as department technology coordinator at request of Director of Campus Rec, which entailed maintaining a log of all departmental technology and instituting formal processes for equipment tracking, sign-out, storage, and disposal.

Worked with Campus Rec staff to improve communication across departmental units, resulting in enhanced publicity and campus-wide visibility of Campus Rec offerings. Responded to information requests from external and internal clients with an average turnaround time of under 24 business hours.

Wesleyan University Athletics, Middletown, CT
Sports Information Intern Fall 2010–Summer 2012

Named first-ever full-time intern in spring 2010 after working in office for three years as a student. Designed and produced prospectuses for 27 varsity teams for distribution to prospective students, marking the first time teams other than football and women's basketball had in-depth publications. Supervised transition to a new athletic department website and content management system (CMS), overseeing a team of three students and training my supervisor on logistics and workflow of new CMS. Updated online archives to include detailed summaries of all varsity athletic contests since 1982–83, when the sports information office was established. Prepared written reports and fact sheets for athletic department and university leadership as requested.

CURRICULUM DESIGN

Johns Hopkins Center for Talented Youth Spring 2021

Designed curriculum for "Game of Life: The Theory of Strategic Behavior" class offered through CTY "L.I.V.E." online program (which originally launched in summer 2020). The class includes 10 hours of synchronous time and an expectation of approximately 30 hours of asynchronous work. The curriculum, which is intended for use by all future "L.I.V.E." instructors, includes topics and pacing, lecture videos, homework assignments, and a course project.

AP Computer Science Principles Fall 2016–Spring 2022

When I first taught CSP in the 2016–17 school year, I used a College Board–approved syllabus developed by Harvard for its "CS50" class. Each year, I made modifications to the syllabus and topics (while maintaining approval by College Board), including the introduction of units on ciphers, cryptography, time complexity, data structures, and artificial intelligence; changing the language of instruction to Python; and the integration of contemporary developments in the field (such as the Cambridge Analytica scandal). During the 2021–22 school year, my last teaching the course, I used predominantly original materials to teach the course. My efforts resulted in an overall exam pass rate (score of 3 or higher) in all years of primarily in-person instruction, including a 98 percent pass rate in 2021–22, and a 77 percent "high pass" (score of 4 of 5) rate in 2018–19, the last year before the COVID-19 pandemic.

HONORS AND AWARDS

Towson University
National Science Foundation Robert M. Noyce Scholarship (awarded summer 2013)

Wesleyan University
Plukas Teaching Apprentice Prize (awarded spring 2009 and spring 2010)

PROFESSIONAL SERVICE

University of Maryland, Baltimore County
Graduate Experiences, Achievements and Research Successes (GEARS) Committee
Operations Manager — Fall 2025–present

Johns Hopkins University
Member, Engineering for Professionals Student Advisory Board — Fall 2020–Spring 2023

Towson High School
PSAT/SAT Co-Coordinator — Spring 2018–Spring 2022
Member, Faculty Council — Fall 2018–Spring 2022

Towson University
Member, Graduate Assistant Advisory Council — Fall 2012–Winter 2014