
CONTACT INFORMATION	Computer Science Department Brown University Providence, RI 02912	<i>e-mail:</i> nediyana@cs.brown.edu <i>www:</i> www.nediyana.com
INTERESTS	Human-Computer Interaction, health-tracking, self-experiments, sleep tracking	
EDUCATION	Brown University , Providence, Rhode Island USA Ph.D. Candidate, Computer Science (expected graduation: May 2019) <ul style="list-style-type: none"> • Dissertation Topic: “Designing and Building Behavior-Powered Systems for Self-Experiments” • Adviser: Prof. Jeff Huang M.S., Computer Science, May 2016 Grinnell College , Grinnell, Iowa USA B.A. with honors, Computer Science, May 2014	
HONORS AND AWARDS	ACM-W Scholarship for attending UIST 2016 Dropbox Scholarship for Grace Hopper Celebration of Women in Computing 2013	
CURRENT RESEARCH	SleepCoacher Developed a system, SleepCoacher, which guides users through single-case experiments by collecting raw mobile sensor data and generating personalized, data-driven sleep recommendations based on a collection of templates recommendations created with input from clinicians. Self-Experiments Developed a set of guidelines for running self-experiments based on two cohorts of students. We present these guidelines for future self-experiments and designers of self-experimentation tools.	
RESEARCH EXPERIENCE	Graduate student , Brown University August 2014 - present Collaborated with a sleep clinician and a behavior change researcher on developing SleepCoacher. Research Intern , Microsoft April - June 2017 Worked with Jessica Lundin’s team of data scientists and Kay Hofmeester’s UX team on building a system to generate personalized recommendations for improving sleep. Worked on analyzing the existing 40 million sleep records from the Microsoft Band. UX Research Intern III , Yahoo, Inc. June - August 2016 Worked with Frank Bentley on all communications products at Yahoo: weekly in-lab user studies, diary studies, and online surveys. Conducted research on the use of email and coupons in email. Undergraduate researcher , Grinnell College June 2013 - May 2014 Worked with Prof. Janet Davis to research persuasive technology design methodologies to improve student wellness behaviors (focusing on sleep) at Grinnell College. Used a participatory design approach to create and evaluate experience prototypes.	
PUBLICATIONS	N. Daskalova , K. Desingh, A. Papoutsaki, D. Schulze, H. Sha, and J. Huang. “Lessons Learned from Two Cohorts of Personal Informatics Self-Experiments.” Ubicomp 2017. (acceptance rate 21%)	

N. Daskalova, D. Metaxa-Kakavouli, A. Tran, N. Nugent, J. Boergers, J. McGeary, and J. Huang. “SleepCoacher: A Personalized Automated Self-Experimentation System for Sleep Recommendations.” UIST 2016. (acceptance rate 20.6%)

N. Daskalova, B. Lee, C. Ni, J. Huang, and J. Lundin. “Investigating the Effectiveness of Cohort-Based Sleep Recommendations.” (in submission).

F. Bentley, **N. Daskalova**, N. Andalibi. “If a person is emailing you, it just doesn’t make sense: Exploring Changing Consumer Behaviors in Email.” CHI 2017. (acceptance rate 25%)

A. Papoutsaki, P. Sangkloy, J. Laskey, **N. Daskalova**, J. Huang, and J. Hays. “Webgazer: Scalable webcam eyetracking using user interactions.” IJCAI 2016. (acceptance rate 25%)

N. Daskalova, N. Ford, A. Hu, K. Moorehead, B. Wagnon, J. Davis. “Informing Design of Suggestion and Self-Monitoring Tools through Participatory Experience Prototypes.” Persuasive 2014.

CASE STUDIES **N. Daskalova**, F. Bentley, N. Andalibi. “It’s All About Coupons: Exploring Coupon Use Behaviors in Email.” CHI 2017.

F. Bentley, **N. Daskalova**, Brooke White. “Comparing the Reliability of Amazon Mechanical Turk and Survey Monkey to Traditional Market Research Surveys.” CHI 2017.

SKILLS **Programming Languages:** Python, Java, Swift, HTML/CSS, JavaScript, C
Languages: Bulgarian, English; basic knowledge of French, Spanish, Danish, Brazilian Portuguese
Computer: Unix/Linux, Android SDK, Agile Development, Balsamiq, Axure, Xcode, Sketch

TEACHING EXPERIENCE **Graduate Teaching Assistant**, Brown University

- CS1300: User Interfaces. Fall 2015, Fall 2016.
- CS2951-r: Personal Informatics Seminar. Spring 2016.

Certificate I: Sheridan Teaching Seminar - Reflective Teaching, Brown University

- Fall 2015 - Spring 2016

Teaching Assistant and Grader, Grinnell College

- CS151: Functional Problem Solving. Fall 2013.
- CS161: Imperative Problem Solving. Spring 2013, Spring 2014.

REVIEWER EXPERIENCE WWW 2015, CHI 2015, CHI 2016, CSCW 2016, CHI 2017, CHI 2018

COMMUNITY INVOLVEMENT **Department Representative**, Brown University **Spring 2015**
PhD Recruitment Coordinator, Brown University **September 2014 - May 2015**
Student Educational Policy Committee, Grinnell College **Spring 2015, Fall 2015**
Hall Wellness Coordinator, Grinnell College **September 2011 - May 2013**

RELEVANT COURSEWORK

Brown University	Grinnell College
<ul style="list-style-type: none">• Personal Informatics Seminar• Designing & Developing User Interfaces• Human-Computer Interaction Seminar• Data Science• Experimental Data Analysis	<ul style="list-style-type: none">• Analysis of Algorithms• Cognitive Psychology & Decision-Making• Behavioral Psychology• Neuroscience of the Social Brain