Kira Goldner
Columbia University
Data Science Institute & Computer Science
kgoldner@cs.columbia.edu
(610) 324-3931

November 28, 2020

Boston University
Faculty of Computing & Data Sciences
111 Cummington Mall, Suite 140
Boston, MA 02215

Dear Members of the Faculty Search Committee,

I am writing to apply for the position of **Assistant Professor** in the Faculty of Computing & Data Sciences at Boston University. I am currently a postdoctoral fellow hosted by Tim Roughgarden at Columbia University, where I am affiliated with both the Computer Science department and the Data Science Institute. I received my PhD in Computer Science and Engineering from the University of Washington in June 2019, where I was advised by Anna R. Karlin.

My research is in **algorithms and mechanism design**, primarily within **mechanism design to social good** as well as **core problems in foundational mechanism design**. I use ideas from game theory to design algorithms that whose guarantees are robust to strategic behavior. In particular, I work on problems within health insurance markets, carbon emissions, online labor markets, and privacy, using ideas from classical auction theory to improve society. As part of this agenda, I co-founded the Mechanism Design for Social Good initiative. In addition, I work on difficult open problems within algorithmic design, particularly those that relax less realistic informational and behavioral assumptions, in order to make theory more realistic and applicable to practice. More details can be found in my research statement. I have authored publications in EC, SODA, ITCS, and WINE, as well as organized workshops and tutorials at EC and WINE, and the MD4SG conference and workshops.

Thank you for your consideration.

Sincerely,

Kira Goldner

encl: Curriculum Vitae
     Research Statement
     Teaching Statement
     Diversity Statement