**PERSONAL STATEMENT**

I am passionate about applications of computational and mathematical methods to molecular biology. My training is in computer science and I have been focused on computational genomics (including cancer genomics) and biomolecular sequence analysis in recent years. My postdoctoral plans include understanding cancer genomes and evolution, and work on related computational biology problems. I have also experience in analyzing large-scale genomic data sets, and developed several methods for detecting structural variations in sequenced genomes. I was a participant in the 1000 Genomes Project, an ambitious international effort to map human structural variations with fine resolution. Since the launch of the project, I presented my results and contributed as a co-author to three papers in the journal Nature. My research is highly collaborative and I worked with genome scientists and cancer biologists on many recent projects. You can see the highlight of those collaborations in the Publications Section.

**POSITIONS AND HONORS**

Positions and Employment

- **2013-2014** Postdoctoral Research Associate, Dept of Computer Science and Center for Computational Molecular Biology, Brown University
- **2014** Postdoctoral Research Scholar, Dept of Computer Science, Stanford University

Teaching, Other Experience, and Professional Memberships (recent)

- **2009** Member of the 1000 Genomes Project, Structural Variation and Analysis Groups
- **2008** Member of the International Society for Computational Biology

Honors

- **2016** Simons-Berkeley Research Fellowships
- **2014-2016** NSERC Postdoctoral Fellowship
- **2012** NSERC-CGS Michael Smith Foreign Study Supplements
- **2010-2012** NSERC Alexander Graham Bell Canada Graduate Scholarship

**SELECTED PEER-REVIEWED PUBLICATIONS**


