

Current Position

Master's Student | Computer Science

Simon Fraser University | 2019-Present

- **Concentration:** Computational Biology
 - **Thesis:** Visualizing epigenomic signals to assist in their exploration and evaluation.
- **Supervisor:** Professor Kay C. Wiese
- **GPA:** 3.53
- Expected to graduate in Sept 2020

Conferences

Poster Presentations

- Canadian Epigenetics, Environment and Health Research Consortium (CEEHRC)
 - **Shohre Masoumi**, Maxwell W. Libbrecht, Kay C. Wiese.
SigTools: Visualizing Genomic Signals.

Attended

- IEEE Visualization Conference (VIS) 2019

Graduate Coursework

- Data Visualization
 - Project: Created an interactive visualization for UN water resources data set using the D3 library.
- Bioinformatics
- Algorithms
- Data Mining
 - Project: modified RankLib – a library of ranking algorithms – to be able to rank items based on a custom ranking function.
- Systems for Big Data
 - Project: detailed reports on Cassandra and Netflix data storage systems.

Awards and Scholarships

Special Graduate Entrance Scholarship	2019
• Simon Fraser University	
Graduate Fellowship	2019
• SFU, School of Computing Science	
Graduate Research Travel Award	2019
• SFU, School of Computing Science	

Education

Bachelor's Degree | Computer Science

Amirkabir University of Technology | 2013–2018

- **Project:** An attempt to create longer contigs for de novo genome assembly by employing both 2nd and 3rd generation sequencing technology.
 - **Supervisor:** Professor Fateme Zaremirakabad
- **GPA:** 3.74
- Ranked 1st among 37

Research Interests

- Visualization
- Computational Biology

Experience

Mentoring

- Computational Biology Lab | SFU
 - Provided one-on-one support and research guidelines to an undergraduate student

Teaching Assistant

- Discrete Mathematics I
 - Instructor: Prof. Kay Wiese
- Data Structures and Algorithms
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- Data Structures and Algorithms
 - Instructor: Prof. Valentine Kabanets
- Data Structures and Algorithms
 - Instructor: Prof. Fateme Zaremirakabad

Technical Skills

General-Purpose

C • C++ • Java • Python • R • Perl

Front-end

JavaScript • JQuery • D3 • CSS • HTML

Back-end

PHP • SQL

Others

LaTeX • Linux • MATLAB • Microsoft Office
• TensorFlow • Minishift