

Nadia Ghobadipasha

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Technical skills

Programming	Python, Java, MATLAB, C++, HTML
Platforms	Mac OS, Windows, Linux
Software	PyCharm, IntelliJ IDEA, Visual Studio, Spyder, Eclipse
Typesetting	TeX Studio, Microsoft Office
Language	Flex, Bison
Tools	

Work Experience

- Fall 2017 – Present **Research Assistant in *Natural Language Processing Lab*.**
Supervisor: Prof. Anoop Sarkar
- Fall 2018 **Teaching Assistant of *Natural Language Processing (CMPT 825)*.**
Instructor: Prof. Anoop Sarkar
- Summer 2018 **Mentor for the program *Invent The Future: AI Scholars*.**
Invent the Future was a two-week summer artificial intelligence enrichment program for Grade 11 girls at Simon Fraser University's Burnaby campus. I was the project mentor for the natural language processing group, and I helped students in the group create a Python program for the sentiment analysis of live tweets.
- Spring 2018 **Teaching Assistant of *Data Structures and Programming (CMPT 225)*, C++.**
Supervising a lab of 50 students working on the C++ data structure assignments which resulted in perfect learning
Grading and invigilating the exams
Instructor: Prof. David Mitchell
- Spring 2018 **Teaching Assistant of *Introduction to Computing Science and Programming I (CMPT 120)*, Python.**
Holding weekly office hours for students working on Python assignments and helping them solve their programming problems
Grading and invigilating the exams
Instructor: Prof. Angelica Lim

Spring 2016 **Teaching Assistant for the Course *Foundation of Computer Science and Programming, Java***.
Designing homework & projects and grading
Instructor: Prof. Bagher BabaAli

Technical Projects

- Fall 2017 **Natural Language Processing**, *Word Segmentation, Phrasal Chunking, Word Alignment, Translation Decoding, and Automatic Evaluation in Python*.
- Spring 2016 **Bachelor's Thesis**: *Design of a Farsi Offline Handwritten Text Database*. Advisor: Prof. Bagher BabaAli
- Fall 2015 **Data Mining**: Income prediction with classification and clustering algorithms such as Decision Tree, Random Forest, Boosting, SVM, K-Means, Fuzzy and C-Means in Python
- Fall 2015 **Biological Computation**: English character recognition using Perceptron, Multilayer Perceptron (MLP), Adaline, and Hebbian Neural Networks in MATLAB
- Spring 2015 **Compiler Design and Implementation**: Implementation of a Persian Grammar Checker to check syntactic and lexical errors in Java

Education

- 2017–2019 **M.Sc. in Computer Science**, *Simon Fraser University*, Burnaby, British Columbia, Canada.
(Expected)
Supervisor: Prof. Anoop Sarkar, NLP Lab
- 2012–2017 **B.Sc. in Computer Science**, *University of Tehran*, Tehran, Iran.
Advisor: Prof. Bagher BabaAli

Honors and Awards

- Fall 2017 Graduate Fellowship at Simon Fraser University, Burnaby, Canada
- Summer 2012 Ranked 825 among 103,256 (top 0.7%) in Iranian University Entrance Exam (Konkour) in math and engineering sciences

Research Interests

- Natural Language Processing
- Machine Learning
- Artificial Intelligence