

# Benyamin Bashari

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## EDUCATION

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### University of Calgary

Sept. 2019 - Current

M.Sc. in Computer Science, GPA: 4.00/4.00

- Supervisor: Dr. Philipp Woelfel
- Research Area: Distributed Algorithms
- Expected Graduation Date: July 2021

### Ferdowsi University of Mashhad

Sept. 2015 - July 2019

B.Sc. in Computer Engineering, GPA: 19.45/20.00

## SKILLS

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- **Programming Languages:** C/C++, Python, Java
- **Tools:** LaTeX, Git, MySQL
- **Other Skills:** Competitive Programming, Distributed Algorithms, Applied Machine Learning, Computer Vision, Social Media Mining

## EXPERIENCE

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### University of Calgary

Calgary, Canada

Research Assistant

Sept. 2019 - Current

- Designed an efficient practical algorithm for a variation of the snapshot type, useful for error recovery systems that require rollbacks to the most recent backup, such as databases and operating systems
- Designed a weaker timestamp object with constant worst-case step complexity

### University of Calgary

Calgary, Canada

Teaching Assistant

- CPSC 561: Distributed Algorithms Winter 2021
- CPSC 413: Design and Analysis of Algorithms Winter 2020
- CPSC 319: Data Structures, Algorithms, and Their Applications Winter 2020

### Hasheminejad and Farzanegan Highschool

Mashhad, Iran

Instructor of Olympiad in Informatics

Jan. 2016 - July 2019

- Combinatorics, Graph Theory, Data Structures, and Algorithms

## HONORS AND AWARDS

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- **2<sup>nd</sup> Place** in Alberta Collegiate Programming Contest (ACPC 2020), Held at the University of Calgary Nov. 2020
- **Graduate Research Award** from the University of Calgary for Excellent Academic Standing in Master's Degree Oct. 2020
- **2<sup>nd</sup> Place** in Alberta Collegiate Programming Contest (ACPC 2019), Held at the University of Calgary Nov. 2019
- **Gold Medal (4<sup>th</sup> Place)** in ACM-ICPC (International Collegiate Programming Contest) Rocky Mountain Regional Contest (RMC 2019), Held at the University of Alberta Oct. 2019
- **Graduate Research Award** from the University of Calgary for Excellent Academic Standing in Bachelor's Degree Sept. 2019
- **International Graduate Recruitment Award** from the University of Calgary for Excellent Academic Standing in Bachelor's Degree Sept. 2019
- **Ranked 1<sup>st</sup>** based on GPA in the Enrolling Class of 2015 in Ferdowsi University of Mashhad July 2019
- **Gold Medal (1<sup>st</sup> Place)** in National Scientific Olympiad for University Students in Computer Engineering, by Participating in a Series of Exams among all Computer Engineering Students in Iran July 2018
- **Silver Medal (4<sup>th</sup> Place)** in ACM-ICPC Asia Tehran Regional Contest, Held at Sharif University of Technology Dec. 2017
- **Silver Medal (5<sup>th</sup> Place)** in ACM-ICPC Asia Tehran Regional Contest, Held at Sharif University of Technology Dec. 2016

## PUBLICATIONS

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1. **Bashari, B.**, & Woelfel, P. (2021). Restricted Snapshots with Logarithmic Step Complexity. Principle of Distributed Computing (PODC), (Submitted).
2. Abolfazli Esfahani, M., Wang, H., **Bashari, B.**, Wu, K., & Yuan, S. (2020). Learning to Extract Robust Handcrafted Features with a Single Observation via Evolutionary Neurogenesis. Applied Soft Computing (ASOC), (Revised and Resubmitted).
3. **Bashari, B.**, & Fazl-Ersi, E. (2020). Influential post identification on Instagram through caption and hashtag analysis. Measurement and Control, 53(34), 409415.

## VOLUNTEER ACTIVITIES

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### Ferdowsi University of Mashhad

President of Competitive Programming Club

- Instructor of Data Structures and Algorithms
- Coordinator of Competitive Programming Contests

Mashhad, Iran  
Sept. 2017 - Sept. 2018