



**POLYTECHNIQUE
MONTRÉAL**

UNIVERSITÉ
D'INGÉNIERIE

Polytechnique Montréal
Département de génie informatique et
génie logiciel

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Professor Zohreh Sharafi is recruiting Software Engineering research students in Fall 2022/ Winter 2023

Biography: Dr. Zohreh Sharafi (<http://zohreh-sharafi.ca/>) has been starting as an assistant professor in the Département de génie informatique et génie logiciel at Polytechnique Montréal in February, 2022.

Before, she was a senior research fellow in the Department of Computer Science and Engineering at the University of Michigan and an NSERC Postdoctoral Fellowship recipient. Her research falls under the umbrella of software engineering and focuses on studying the cognitive processes and human factors involved in software engineering activities. She is interested in studying and improving current software development tools and processes to make them more productive and inclusive. She received her Ph.D. from Polytechnique Montréal in 2015, awarded the Fonds de Recherche du Québec Nature et Technologies (FQRNT) Scholarship. Her work has resulted in more than 20 peer-reviewed research papers in top-tier international conferences and journals. Prior to the University of Michigan, Zohreh Sharafi has worked in the financial technology sector for four years and contributed to developing the firm's lead electronic-trading application for listed securities.

Prospective students: I am actively looking for multiple self-motivated Master's and Ph.D. students in Fall 2022 and Winter 2023. Examples of the available projects are:

- Identifying developers' problem-solving strategies using eye-tracking and neuroimaging
- Evaluating the perception of trust from developers' point of view using various bio-metrics
- Analyzing the impact of various human factors (ex. gender, age, and native language) on developers' strategies
- Investigate the role of emotions and creativity in computing tasks

If you are interested in working with me, please send me an email (zohreh.sharafi@polymtl.ca) with your CV and a detailed description of your background and research interests.

Application information can be found here: <https://www.polymtl.ca/admission/>.