

## Shuhaib Mehri

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<https://shuhaibm.github.io>

### EDUCATION

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*B.Sc. Honours Computer Science,*  
University of British Columbia

September 2019 - Present

- 90% major average
- Selected coursework:
  - Advanced Machine Learning, Natural Language Processing, Discourse in NLP, Computer Vision, Intelligent Systems, Advanced Algorithm Design and Analysis, Distributed Systems, Advanced Software Engineering, Advanced Relational Databases

### PUBLICATIONS

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**Shuhaib Mehri**, Vered Schwartz. *Automatic Evaluation of Generative Models with Instruction Tuning*. (in submission).

### RESEARCH EXPERIENCE

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*Modeling Discourse Relations*

August 2023 - Present

Natural Language Processing Group, UBC

Supervisors: Prof. Giuseppe Carenini and Dr. Chuyuan Li

- Currently working on the exploitation of question-answer generation to model discourse relations

*Evaluation of Natural Language Generation*

August 2022 - September 2023

Natural Language Processing Group, UBC

Supervisor: Prof. Vered Schwartz

- Conducted research with Dr. Vered Schwartz for my honours thesis on the automatic evaluation of generative tasks.
- Developed a dataset tailored for the study of the evaluation of generative tasks, and leveraged novel training techniques in instruction tuning to establish a learned metric.
- Publication is currently in submission for the Gem Workshop at EMNLP 2023

### INDUSTRY EXPERIENCE

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*Software Development Engineer Intern*  
Amazon

January 2023 - August 2023

- Worked on the Gurupa Team, the team responsible for Amazon's core page assembly engine.
- Owned the end-to-end creation of an interactive data visualization tool responsible for a 90% increase in efficiency of data analysis, which streamlined the migration from a page rendering framework.

- Employed various techniques to optimize the data retrieval process, achieving an 80% reduction in website latency.
- Spearheaded productionalization by configuring pipelines and environments and establishing a robust support policy, which resulted in a fully operation web application deployed to production.

*Software Development Engineer Intern*  
Amazon

May 2022 - August 2022

- Worked on Amazon's Dram Team, the team responsible for the primary HTTP interface or rendering content.
- Architected the design and development of a command line tool that uses cloud computing to generate and register consumer ready metadata, enabling developers to onboard/update Amazon web pages.
- Collaborated with different teams to fully integrate the command line tool, ultimately automating a process that previously required manual code changes and reducing team operation load by 30%.

*Software Development Engineer Intern*  
Clir Renewables

September 2021 - December 2021

- Built and deployed a management software solution, effectively maintaining a portfolio of 1000+ renewable energy assets.
- Enhanced code functionality, efficiency, and user experience by introducing new features, writing tests, and integrating changes to the internal tool portal, data access, user authentication, and notification services.

*Software Development Engineer Intern*  
Copysmith

September 2020 - October 2020

- Independently built key-features of the front-end interface for an early-stage startup.

## TEACHING

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*Teaching Assistant*  
University of British Columbia

September 2020 - Present

- Led programming labs, office hours, review sessions, and graded student work for principle computer science courses consisting of over 300 students

Introduction to Software Engineering (CPSC 310)

Models of Computation (CPSC 121)