

# Ibrahim Khebour

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## Education

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**Colorado State University**

*PhD in Computer Science*

August 2022 – Present

*Fort Collins, Colorado, USA*

**Tunisia Polytechnic School**

*Multidisciplinary Engineering degree*

Sep 2019 – June 2022

*Tunis, Tunisia*

**Preparatory Institute for Engineering Studies of El Manar**

*Ranked 36<sup>th</sup> out of 2000 in the national contest*

Sep 2017 – June 2019

*Tunis, Tunisia*

## Research Experience

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**Graduate Research Assistant**

*Colorado State University, SIGNAL lab*

August 2022 – Present

*Fort Collins, Colorado, USA*

- Multi-modal AI based agent to analyse collaborative problem solving behaviour
- NLP feature extraction
- Gesture recognition

**Graduation Internship**

*Colorado State University, SIGNAL lab*

February 2022 – June 2022

*Fort Collins, Colorado, USA*

- NLP data processing and augmentation
- Making a classifier

**Data Science Internship**

*Datagram*

June 2021 – August 2021

*Tunis, Tunisia*

- Development of semantic textual similarity models
- Fine tuning Bert, Universal Sentence Encoder and Doc2Vec

## Research Presentations

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Nath, A., Mahdipour Saravani, S., Khebour, I., Mannan, S., Li, Z., and Krishnaswamy, N. (2022) – A Generalized Method for Automated Multilingual Loanword Detection. In International Conference on Computational Linguistics (COLING).

Dickler, R., Foltz, P. W., Krishnaswamy, N., Whitehill, J., Weatherly, J., Bodzianowski, M., Perkoff, M., Southwell, R., Pugh, S., Bush, J., Chang, M., Hirshfield, L. M., Showers, D., Ganesh, A., Li, Z., Danilyuk, E., He, X., Khebour, I., Dey, I., Puntambekar, S., and D'Mello, S. K. (2022) – iSAT speech-based AI display for small group collaboration in classrooms. In Interactive event at International Conference on Artificial Intelligence in Education (AIED). International AIED Society.

## Specialized Skills

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**Programming Languages:** Python (Expert), C/C++ (Intermediate), R (beginner)

**Mathematics:** Calculus, Linear algebra, Probability, Statistics, ...

**Communication:** Arabic, French, English

**Adaptability:** Love learning new subjects

**Athletics:** Professional Sailor

**Music:** Piano