

CHIRAG CHHABLANI

+1(312)619-1682 ◊ 15, 633 S laflin St, Chicago, IL, 60607
cchahb2@uic.edu ◊ linkedin.com/in/chirag-chhablani ◊ chiraguic.github.io

EDUCATION

University of Illinois at Chicago, IL

Ph.D. Computer Science (Reinforcement learning and Trust ML) Aug 18 - Present
Specialization: Conversational AI, Reinforcement learning for multiagent systems, Trust ML models especially for GNN.

Birla Institute of Technology and Science, Pilani, India

B.Eng. Electrical and Electronics Engineering Aug 11 - May 15
M.Eng. Software Systems Aug 15 - May 17

PUBLICATIONS

- [1] [C Chhablani*](#), K Roy*, M Gaur, “Personalized dialog systems: Combining language models and multi-step reasoning” [Under Preparation]
- [2] [C Chhablani*](#), S Jain*, I Kash and S Medya, “Game-theoretic Counterfactual Explanation for Graph Neural Networks” *WWW*, 2024
- [3] [C Chhablani](#), V Gurbani, J Hosier and N Sharma, “Digits Micromodel for accurate and secure transactions” *AAAI*, 2024.
- [4] [C Chhablani](#) and I Kash, “An Analysis of Connections Between Regret Minimization and Actor Critic Methods in Cooperative Settings,” *AAMAS*, 2023 (**Long invited talk by Google Deepmind - 4/53 accepted papers**)
- [5] [C Chhablani](#), M Sullins and I Kash, “Multiplicative Weights Updates for Extensive Form Games,” *AAMAS*, 2023

RESEARCH EXPERIENCE

Vail Systems, Chicago, IL

Speech processing ML intern with Dr. Vijay Gurbani June 23 - Aug 23

- Led the creation, cleaning, curation, and annotation of 42+ hours of training data for multi-digits dataset.
- Trained ASR language models for voice-banking applications using kaldi toolkit and achieved 50% lower word-error-rate than open-source models like Open AI’s Whisper model.

Argonne National Lab, Lemont, IL

Deep learning Intern with Dr. Kevin Brown May 21 - May 22

- Researched in deep learning models for improving job scheduling in HPC systems.
- Decreased the peak bandwidth consumption by 15% and average latency by 10% compared to existing state-of-the-art approaches.

Zelle, Early Warning Services, Chicago, IL

NLP and Fraud analyst Intern with Dr. Edwin Campos May 19 - Nov 19

- Rese Opinion mining of 7k+ Reddit posts using BERT. Improved accuracy over baseline models by 16%.
- Researched fraud detection on more than 15K twitter using ML models.

Department of Computer science, UIC

Research assistant with Dr. Ian A. Kash Aug 18 - present

- Developed state-of-the art techniques for multiagent RL systems, Conversation AI, and trustworthy GNN.
- Published the work in top-tier conferences like AAMAS, AAAI and WWW.

SKILLS

Languages C, Java, Python

Tools Pytorch, Tensorflow, Keras Git, Linux, Docker, Flask, Pandas, AWS, GCP, LangChain