Jude Crener Junior Pierre

Ph.D. Candidate | Social Computing Laboratory | NAIST, Japan

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https://jude-p24.github.io/portfolio/

About Me

Ph.D. candidate at Nara Institute of Science and Technology (NAIST), specializing in Natural Language Processing (NLP). My research focuses on applying NLP techniques to medical data, aiming to retrieve meaningful insights and solve societal problems. Passionate about generative AI, rare disease NER, and data augmentation.

Education

Ph.D. in Information Engineering, NAIST, Expected 2027
M.Sc. in Information Engineering, NAIST, 2024
B.Sc. in Computer Science with a Minor in Economics, ESIH, 2018

Experience

Ph.D. Student — NAIST, Apr 2024 - Present
• Conducting research on Medical NLP and data augmentation using Generative AI.

Communication Protocol Design Engineer (R&D Internship) — Schneider Electric, Osaka, Jan 2023 - Mar 2023
• Implemented MQTT-based protocol for industrial HMIs using C/C++.

Research Assistant — NAIST, May 2022 - Dec 2022
• Data cleaning, annotation, and analysis for medical NLP projects.

Business Risk Analyst — Digicel Group, 2018 - 2021
• Minimized financial risks and performed reconciliations & data analysis.

Web Developer — Freelance, 2017 - 2018
• Built web apps using frontend and backend technologies.

Research Interests

• Medical Natural Language Processing (NLP)
• Generative AI and Large Language Models (LLMs)
• Data Augmentation for Low-Resource Datasets

- Rare Disease Named Entity Recognition (NER)
- Word Sense Disambiguation

Publications

Jude Crener Junior Pierre, Gabriel Herman Bernardim Andrade, Shaowen Peng, Shuntaro Yada, Shoko Wakamiya, and Eiji Aramaki: Abbreviation Expansion using only a Single Word as Context -International conference, MEDINFO 2025, Taipei, Taiwan.

Skills

- Programming: Python, JavaScript, C/C++, SQL
- Data Analysis: Numpy, Pandas, Scikit-learn
- Deep Learning: PyTorch, Keras
- Visualization: Matplotlib, Seaborn
- Web Development: Node.js, Flask, HTML, CSS
- Academic Research & Scientific Writing

Languages

- French — Native
- English — Professional
- Japanese — Basic (JLPT N5/N4)