

# Sotaro Takeshita

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## Education

### The National University of Electro-Communication

B.S. IN COMPUTER SCIENCE

Tokyo, Japan

Apr. 2013 - Mar. 2018

### The National University of Electro-Communication

M.S. IN COMPUTER SCIENCE

Tokyo, Japan

Apr. 2018 - Mar. 2020

### University of Mannheim

PH.D. STUDENT IN NATURAL LANGUAGE PROCESSING

Supervisor: Prof. Simone Paolo Ponzetto

Mannheim, Germany

Sep. 2022 - Present

## Experience

### University of Mannheim, Data and Web Science Group

RESEARCH VISITING

- Short term research visit

Mannheim, Germany

Sep. 2019, two weeks

### Build It Inc.

DATA ANALYST & ML ENGINEER

- Developed Web App (Backend & Frontend)
- Developed Recommendation system as SaaS

Tokyo, Japan

2015 - Present

### The University of Campinas, Faculty of Electrical and Computer Engineering

RESEARCH INTERNSHIP

- Advisor: Prof. Dr. Eric Rohmer
- Developed Neural Network based Computer Vision system for self-driving wheel chairs.

Sao Paulo, Brazil

Nov. 2018

### NTT Media Intelligence Lab

RESEARCH INTERNSHIP

- Developed dialogue system.

Kanagawa, Japan

Sep. 2018

### Recruit Holdings

DATA SCIENCE INTERNSHIP

- Won a Best Work Prize

Kanagawa, Japan

Aug. 2017

### Sección de Estudios de Posgrado e Investigación de ESIME Culhuacan, Instituto Politecnico Nacional

RESEARCH INTERNSHIP

- Advisor: Mariko Nakano Miyatake

Mexico City, Mexico

Feb. 2016 - Apr. 2016

## Publications

### CONFERENCE

#### GenGO: ACL Paper Explorer with Semantic Features

SOTARO TAKESHITA, SIMONE PAOLO PONZETTO, KAI ECKERT

The 62nd Annual Meeting of the Association for Computational Linguistics, System Demonstration

Bangkok, Thailand

2024

#### ROUGE-K: Do Your Summaries Have Keywords?

SOTARO TAKESHITA, TOMMASO GREEN, INES REINIG, KAI ECKERT AND SIMONE PAOLO PONZETTO

The 13th Joint Conference on Lexical and Computational Semantics colocated at NAACL 2024

Mexico City, Mexico

2024

**ACLSum: A New Dataset for Aspect-based Summarization of Scientific Publications**

**SOTARO TAKESHITA**, TOMMASO GREEN, INES REINIG, KAI ECKERT AND SIMONE PAOLO PONZETTO

In Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL)

Mexico City, Mexico

2024

**Cross-lingual extreme summarization of scholarly documents**

**SOTARO TAKESHITA**, TOMMASO GREEN, NIKLAS FRIEDRICH, KAI ECKERT AND SIMONE PAOLO PONZETTO

International Journal on Digital Libraries (IJDL)

Journal

2023

**ZusammenQA: Data Augmentation with Specialized Models for Cross-lingual Open-retrieval Question Answering System**

CHIA-CHIEN HUNG, TOMMASO GREEN, ROBERT LITSCHKO, TORNIKE TSERETELI, **SOTARO TAKESHITA**, MARCO BOMBIERI, GORAN GLAVAŠ, SIMONE PAOLO PONZETTO

Workshop on Multilingual Information Access (MIA) at NAACL

Seattle, Washington + Online

2022

**X-SCITLDR: Cross-Lingual Extreme Summarization of Scholarly Documents**

**SOTARO TAKESHITA**, TOMMASO GREEN, NIKLAS FRIEDRICH, KAI ECKERT AND SIMONE PAOLO PONZETTO

ACM/IEEE Joint Conference on Digital Libraries (JCDL)

Cologne, Germany and Online

2022