Patrick Schrempf

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Wester Balgedie
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EXPERIENCE

Canon Medical Research Europe, Edinburgh - *Research Engineer*

SEPTEMBER 2022 - PRESENT

Laidlaw Internship in Leadership and Research, St Andrews

JUNE 2017 - AUGUST 2017 *(10 weeks)*

J. P. Morgan, Glasgow — *Summer Technology Analyst*

JUNE 2016 - AUGUST 2016 *(10 weeks)*

Google ATAP Project Soli, St Andrews — *Soli Alpha Developer*

JANUARY 2016 - JULY 2016 *(7 months)*

School of Medicine, St Andrews — *Research Assistant*

FEBRUARY 2016 - JUNE 2016 *(5 months)*

Austrian Press Agency - IT, Vienna — *Web development intern*

JULY 2015 - AUGUST 2015 *(2 months)*

PUBLICATIONS

Schrempf P. et al. (2021) **Templated Text Synthesis for Expert-Guided Multi-Label Extraction from Radiology Reports.**

In: Machine Learning and Knowledge Extraction. 2021; 3(2):299-317.

Schrempf P. et al. (2020) **Paying Per-Label Attention for Multi-label Extraction from Radiology Reports.**

In: Interpretable and Annotation-Efficient Learning for Medical Image Computing. IMIMIC 2020, MIL3ID 2020, LABELS 2020. Lecture Notes in Computer Science, vol 12446. Springer, Cham.

Appelgren M. et al. (2019) **Language Transfer for Early Warning of Epidemics from Social Media.**

In: AI+HADR 2019: Artificial Intelligence for Humanitarian Assistance and Disaster Response Workshop, NeurIPS 2019.

Falis M. et al. (2019) **Ontological Attention Ensembles for Capturing Semantic Concepts in ICD Code Prediction from Clinical Text.**

In: Proceedings of the Tenth International Workshop on Health Text Mining and Information Analysis (LOUHI 2019), pp. 168-177.

Hui-Shyong Y. et al. (2016) **RadarCat: Radar Categorization for Input & Interaction.**

In: Proceedings of the 29th Annual ACM Symposium on User Interface Software & Technology (UIST '16), pp. 833-841.

EDUCATION

EngD Computer Science,
University of St Andrews & Canon Medical Research Europe

SEPTEMBER 2018 - AUGUST 2022

Thesis title: "NLP-Supervised Stroke Detection in Medical Images"

BSc Computer Science,
University of St Andrews

SEPTEMBER 2014 - JUNE 2018

PATENTS

Text processing method and apparatus.

Schrempf, P., O'neil, A. and Watson, H., Canon Medical Systems Corp, 2022. U.S. Patent Application 17/450,339.

Classification Method and Device.

Yeo, H.S., Quigley, A., Flamich, G., Schrempf, P. and Harris-Birtill, D., University of St Andrews, 2019. U.S. Patent Application 16/490,338.

AWARDS

Best Paper Award - MICCAI LABELS 2020
08 October 2020, Online

John Honey Book Prize
2016/17, St Andrews

Dean's List
2014/15, 2015/16, 2016/17 & 2017/18, St Andrews