Romain Paulus

✆ +1 650 265 8243
✉ romain@bacprop.com
🖹 linkedin.com/in/romainpaulus
rpaulus.com

Work Experience

2023–Present **Founding Engineer, Raive** (San Francisco, CA/Remote)
- Designing, implementing, and scaling music and video generation AI models (diffusion, transformers, etc)

2021–Present **Artist/Music Producer, Bacprop** (Santa Cruz, CA)
- Co-founded a profitable music festival series in the Santa Cruz mountains
- Produced original tracks and remixes in the dubstep, techno, and drum n bass genres

2020–2021 **Founding Engineer, You.com** (Palo Alto, CA/Remote)
- Prototyped a full-stack proof-of-concept for a new search engine experience
- Lead the front-end development of the private beta product with React and NextJS

2016–2020 **Lead Research Scientist, Salesforce** (Palo Alto, CA)
- Improved state-of-the-art performance in abstractive summarization using reinforcement learning and new summary quality metrics
- Worked on other Deep Learning/NLP research problems: sequence generation, multi-task learning, recommendation systems

2014–2016 **Founding Engineer, MetaMind (acquired by Salesforce)** (Palo Alto, CA)
- Created a full-stack scalable deep learning web application that allows users to train their own image and text classifiers
- Mentored new engineers as they came on board

2013–2014 **Visiting Researcher, Stanford University, AI Research Lab** (Stanford, CA)
- Researched and implemented novel Recursive Neural Networks
- Applied algorithms to Sentiment Analysis on Twitter data
- Developed a web-based app making text classification easy for everyone
- Used distributed computing to run machine learning models

2012–2014 **CTO, L'Appero** (Paris, France)
- Designed and developed of customer-facing and back-end websites of a food delivery application. Features: activity monitoring, data reporting, statistics and product management
- Created fast and reliable APIs between back-end server and mobile apps (iOS, Android, web-based)
- Large media coverage (French TV and newspapers)

Research Publications

2021 Andre Esteva, Anuprit Kale, **Romain Paulus**, Kazuma Hashimoto, Wenpeng Yin, Dragomir Radev, Richard Socher: *Co-search: Covid-19 information retrieval with semantic search, question answering, and abstractive summarization* (**Nature** Digital Medicine)

2018 Wojciech Kryściński, **Romain Paulus**, Caiming Xiong, Richard Socher: *"Improving Abstraction for Text Summarization"* (EMNLP 2018, **oral**)

2018   **Romain Paulus**, Caiming Xiong, Richard Socher: *"A Deep Reinforced Model for Abstractive Summarization"* (ICLR 2018)

2016   Ankit Kumar, Ozan Irsoy, Peter Ondruska, Mohit Iyyer, James Bradbury, Ishaan Gulrajani, Victor Zhong, **Romain Paulus**, Richard Socher: *"Ask Me Anything: Dynamic Memory Networks for Natural Language Processing"* (ICML 2016)

2014   **Romain Paulus**, Richard Socher, Christopher D. Manning: *"Global Belief Recursive Neural Networks"* (NIPS 2014)

Education

2013–2014   **Stanford University**, Visiting Researcher at Artificial Intelligence Lab

2009–2014   **ISEP (Paris, France)**, Masters Degree, CS and Engineering

Technical Skills

Programming	Python, JavaScript, Java, PHP
ML	PyTorch, TensorFlow, Chainer
Web Dev	React, Node, MongoDB, Flask, Angular, Ruby on Rails

Languages

English	Fluent
French	Native speaker
Spanish	Intermediate

Work Authorization Status

Authorized to work in the US