Sebastian Rene' Hanet

Willis, VA 24380| 480-444-9933| SebastianHanet@gmail.com

Experience

Independent Data Science Consultant — May 2023 - Present
Remote – Part-Time
Multiple Clients

- Integrated automated ETL pipelines into client operations, reducing manual data prep and improving efficiency
- Developed interconnected agentic AI systems leveraging internal and external data to automate insight generation
- Industrialized and scaled a custom revenue prediction algorithm
- Embedded with client digital teams to co-develop and integrate new data science capabilities

Principal Data Scientist
Amgen — June 2018 - Present
Operations – Global Quality Analytics and Innovation

- Lead developer on numerous E2E machine learning pipelines to cluster, predict, search, and/or visualize data
- Developed novel AI algorithms leveraging OpenAI's GPT model suite for executive audiences and above
- Served as lead data scientist to mentor colleagues on methods and approaches
- Performed ad hoc and repeated analyses directly for CEO Staff
- Pioneered the team's knowledge of cloud infrastructure to enable self-service pipeline development
- Nominated for 6 independent internal Innovation Awards in 2021& 2022 & 2023

Research Assistant, Project Lead — Sept 2016 - Jan 2019
UCLA Dept. Molecular and Medical Pharmacology, Los Angeles
Principle Investigator: Mike Van Dam, PhD.

- Led a project to create and model a low-frequency acoustic driven mixing system
- Created a custom object detector to speed image analysis of oscillating droplets
- Designed and tested an automated micro-cartridge based ^{18}F concentrator to separate ^{18}F from ^{18}O-water
- Characterized and analyzed micro-dispensers for a 'passive transport' microfluidic radiochemistry platform

Data Coordinator — Feb. 2016 – Feb. 2018
UCLA, Ronald Reagan Regional Medical Center, Los Angeles
Care Extenders Program

- Managed volunteering activity data for over 1000 volunteers
- Produced biweekly reports of volunteer activity for senior staff

Presentations & Publications

- **Speaker** – 2022 European Federation of Pharmaceutical Industries and Associations: *Using Neural language modeling to build a multi-tiered Hierarchical Knowledge Structure*
- **Speaker** – 2021 MIT MIMO Forum: *Using Neural language modeling to build a multi-tiered Hierarchical Knowledge Structure*
- **Speaker** – 2021 MIT BioMAN Consortium: *Contextualized Clustering: Using Neural language modeling to trend deviations on semantic similarity*
- **Panelist** – 2020 Parenteral Drug Association Data Integrity Workshop
- Darpolor M., Covington J., **Hanet S.**, Ravussin E., Smith S.R., Carmichael O. (2019) ^{31}Phosphochreatin resynthesis is associated with NAMPT protein level in human skeletal muscle. *NMR in Biomedicine*
- Chao P., Lazari M., **Hanet S.**, van Dam M. (2018). Concentration of [^{18}F]fluoride from microfluidic production of PET tracers at human-dose quantities. *Lab on a Chip*
- Wang. J, Chao P., **Hanet S.**, Van Dam M (2017) Performing multi-step chemical reactions in microliter-sized droplets by leveraging a simple passive transport mechanism. *Lab on a Chip.* DOI: 10.1039/c7lc01009e

Education

Bachelor of Science — June 2018
University of California, Los Angeles

- Major: Computational and Systems Biology

Technical & Consulting Skills

- Skilled Speaker and Presenter
- Expert in Python, R, Spotfire, SQL
- Proficient in Spark, Spotfire, Tableau, Rshiny
- Big Data & Parallel Processing (Spark, pySpark)
- Data Architecture (DynamoDB, Redshift)
- NLP (Spacy, NLTK, Gensim)
- Cloud Computing (AWS, Databricks)
- Machine Learning (Scikit-learn, Scipy)
- Deep Learning (Tensorflow, Torch)
- Agile Scrum Methodology