
BIOGRAPHICAL SKETCH

NAME Dong, Mark Sen	POSITION TITLE Research assistant, PhD Student
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY
Victoria University of Wellington	Bachelor of Architectural Studies	2012	Architecture
Technische Universität München	Master of Science	2015	Advanced Construction and Building Technologies
Department of Psychiatry and Psychotherapy Ludwig Maximilian Universität München	PhD candidate		Psychiatry & Psychotherapy

A. Personal Statement

I came from a mixed academic background. I have a bachelor's degree in architecture and a MSc in Advanced Construction and Building Technologies. I have been working as a software developer as well as a project engineer. Even though my initial bachelor's degree was in the field of Architecture, I have already shifted my specialization and my career focus to programming during my MSc. Since the start of my career, I have been involved in the development of software in the field of building environment simulations, energy monitoring and analysis.

My skill sets including 3 years of development experience in Python and 2 years of experience in Javascript, Php and MySQL database. Those experiences involve developing complex simulation software for environmental simulation as well as real time data visualization, interactive UI and backend data management / analysis. I have been applying machine learning in the field of data anomaly detection and energy prediction.

Since the start of my PhD study, I have been involved in Pronia project as a Webapp developer. My research focus is to apply Deep Learning algorithms in the field of Brain age prediction and Schizophrenia prediction through Neuroimaging data.

B. Positions and Honors

Positions and Employment

Research Associate and PhD Candidate, Koutsouleris Lab, Department of Psychiatry and Psychotherapy, LMU, 2018 till present

Software developer and Climatic engineer, Transsolar Energietechnik GmbH, 2015 till present

Other Experience and Professional Memberships

Research Associate, Chair of Building technologies and climatic responsive Building, Technische Universität München, 2016 till 2017

Honors: None

D. Research Support

Ongoing Research Support: None

Completed Research Support in the Past Five Years: None

Pending Research Support: None