

Geevarghese George

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OBJECTIVE A position in the field of data science with special interests in machine learning, statistical programming and data processing.

DATA SCIENCE PROJECTS *Smartphone feature-popularity correlation from GSMArena.com*
Tools used: R, Python, web scraping, multivariate regression models, plotly and ggplot2, R markdown.
Duration: Ongoing

CAF (Caisse d'allocations familiales) sampler and predictor
Tools used: Python, web scraping, selenium, multivariate regression models, seaborn, jupyter notebooks.
Duration: Ongoing

Feature extraction and analysis of janus particles
Tools used: Python, scikit-learn.
Collaborator(s): Vaibhav Sharma (M3, ICS)
Duration: 1-2 weeks

EDUCATION *Doctor of Philosophy, Computational Polymer Physics*
Theory and Simulation of Polymers (ETSP) Group, Institut Charles Sadron (ICS)
University of Strasbourg, France
expected September 2020
Thesis: Molecular dynamics simulation of comb-copolymer films.
Supervisor: Dr. Joachim P. Wittmer

Master of Science (dual degree), Polymer Science
University of Freiburg, Germany & University of Strasbourg, France
August 2017
Concentration: Numerical Simulations, Polymer Physics, Nanolithography, Polymer Synthesis and Characterization.

Bachelor of Technology, Polymer Science and Engineering
Cochin University of Science and Technology, Kerala, India
August 2014
Concentration: Polymer Science, Rubber Technology, Tyre Technology, Polymer Processing, Mechanical Characterization.

ONLINE LEARNING *Data Science:* The Data Scientist's Toolbox, Machine Learning with Python, Exploratory Data Analysis, Getting and Cleaning Data, Developing Data Products, Statistical Inference, Neural Networks and Deep Learning, R Programming, Structuring Machine Learning Projects, Python Classes and Inheritance, Data Collection and Processing with Python.
Others: Solid State Chemistry, MATLAB Onramp.

COMPUTER SKILLS *Scripting Languages & Tools:* Python, R, C/C++, Bash, Vim, VS Code, Git, Markdown, L^AT_EX
Operating Systems: Linux, MS Windows.

- EXPERIENCE** *Co-founder*
Brandkaro, Startup Village, Kochi, India
February 2013 – January 2015
- Developed graphic design and marketing solutions for early-stage startups.
 - Lead a highly talented team of graphic/web/content creators.
 - Conceived *LoveUrLab*, a project that provided lab training for new admits.
- PUBLICATIONS** Shear stress relaxation in free-standing polymer films. G. George, I. Kriuchevskiy et al. Physical Review E, 98 (2018) DOI: 10.1103/PhysRevE.98.062502
- EXTRA-CURRICULAR ACTIVITIES** Host, *kaecawdo* podcast (2012, 2014, 2019 – present)
Winner, Ma these en 180s - ICS (2019)
Occasional photographer
International student tutor (Studententutor), SWFR Freiburg (2016)
- OTHERS** *Languages:* French (Test de Français International 2020 B1), German (Sprachlehrinstitut Freiburg 2016 A2.2), English (TOEFL 2014 C2), Malayalam (Native).