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| Dennis Liu Objective To enact positive change and understand the greater world community. Skills Bayesian inference and statistical learning.  Developing novel models and construct appropriate learning algorithms to infer parameters.  Understanding, learning and applying solutions to complex problems.  Applying object-orientated programming to improve interpretability of code.  Communicate clearly and succinctly to both technical and non-technical audiences. | |  | | --- | | Data Scientist [tdennisliu.github.io](https://tdennisliu.github.io/) |  ExperiencePhD candidate • The University of Adelaide • 2017 to present My research focuses on building frameworks to model social behaviours and infectious diseases using digital, non-traditional datasets. I am interested in analysing human behaviours and analysing their effects on models and forecasts of public health measures. I have recently been working with a wider group of researchers to provide forecasts of COVID-19 cases to the Australian Government and Department of Health. I am proficient in Python and standard quantitative packages (numpy, pandas, sklearn etc.), and have some familiarity with R and Matlab. Graduate Engineer • Santos LTD • 2014 to 2017 My previous employment required me to work in a remote location in a gas plant control room as well as an office environment. Key skills included:  • Communicating issues with other stakeholders clearly and concisely.  • Delivering projects in a timely and economic manner, with deliverables and risks communicated clearly to key stakeholders for approval.  • Making significant commercial decisions regularly and independently, often employing critical problem-solving skills to arrive to a solution. EducationB. Ma. Comp Sci (applied) • 2015 • The University of Adelaide Overloaded course work in 2011 to 2012 while in my Engineering degree and then completed my studies part-time while working full-time in 2014. Overall GPA of 6.480. B. Eng (Chemical) • 2013 • The university of Adelaide Graduated with First Class Honours and Dean’s Merit Certificate for Outstanding Academic Achievement. |