

TEO Jia Yi Dominic

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EDUCATION

The University of Chicago – Harris School of Public Policy Masters of Science in Computational Analysis and Public Policy <ul style="list-style-type: none">Classes on Databases, ML for Public Policy, Mobile Software Development, Big Data Application Architecture, Web Development and Cloud Computing	Chicago, IL June 2021
London School of Economics (LSE) One Year exchange under the General Course <ul style="list-style-type: none">Classes on Statistics, Data Analytics and Corporate FinanceWon 2nd place on Seeking Alpha's Top Stock Idea of 2019 competition	London, UK July 2019
Sciences Po - Paris Campus du Havre (France) Bachelor in Social Sciences with a focus in Economics <ul style="list-style-type: none">Honors: Cum Laude (top 10%) for the academic years 2016/2017 and 2017/2018	Le Havre, France July 2019

PROFESSIONAL EXPERIENCE

MUNICIPAL SERVICES OFFICE (MSO) <i>Analytics Manager</i> <ul style="list-style-type: none">Project manager alongside various GovTech teams on the development of the OneService Chatbot on WhatsApp and Telegram as well as an AI routing classifier for the OneService App/LifeSG.End-to-end development of multiple dashboards (SQL DBs to dashboards) on QlikSense for use by dozens of non data trained officers to self-help for policy work.Developed predictive models using text analytics powered rules, linear regressions and decision forests to forecast feedback volume and detect emerging issues to inform resource planning.	Aug 2021 - Present
CENTER FOR LIVEABLE CITIES (CLC) <i>Data Researcher</i> <ul style="list-style-type: none">Led on a Python based Machine Learning project in a team of 3 interns to predict urban vibrancy in neighborhoods based on various neighborhood characteristics	Jul – Sep 2020
AIRHELP (Germany) <i>Market Research Consultant</i> <ul style="list-style-type: none">Produced a data-driven research report focusing on mobile applications and online travel industrySupported the crafting of the company's mobile app strategy by researching competitors and industry practices	Jul – Sep 2019
AORA, SUBSIDIARY OF Y VENTURES <i>Business Development Intern</i> <ul style="list-style-type: none">Conducted research and data analysis to formulate business decisions such as pricing models & website features for the new cross-border E-commerce serviceSupported preparation of company's investment pitch deckIn charge of developing compliance policies (KYC and AML) for company's Initial Coin Offering process	Jul – Sep 2018
MINISTRY OF NATIONAL DEVELOPMENT <i>Public Policy Research Intern at the Sino-Singapore Tianjin Eco-city Project</i> <ul style="list-style-type: none">Conducted research and analyzed datasets on public housing in Singapore and the Eco-City using Excel and RLed 2 other interns in producing a briefing paper on public housing emphasizing suggestions for improvement	Jun – Aug 2017
THE STRAITS TIMES <i>Intern Journalist</i> <ul style="list-style-type: none">Reporting, interviewing and writing on Singapore News, in particular, on Home and Defense storiesReceived bylines for more than 30 different news articles in both print and online editions	Jan – Apr 2016

TECHNICAL SKILLS

- Extensive professional and academic experience in **Python, R** and **SQL**
- Academic and project experience in
 - Mobile App Development** (Swift - Xcode & Kotlin - Android Studio);
 - Big Data Architecture** (AWS EMR - Hadoop, Hive (HQL), Hbase, HDFS, MapReduce, Spark, Kafka);
 - Web Development** (HTML5, CSS3 & JavaScript/ES6 for front end-programming; server-side page rendering in Python; Database-driven application development REST; API development in Python & Flask; single-page application development in React) and
 - Data Visualisation** (ggplot, Seaborn & Altair packages in Python & D3)