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|  | **Melvin Tang**  *Developer. Real world problem-solver.*  Phone: 97980491/67635594  Email: [tchatpeng@gmail.com](mailto:tchatpeng@gmail.com)  Linkedln: <https://www.linkedln.com/in/melvintang2323>  Github: <https://github.com/melvintang> | |
|  | **Featured Projects**   |  | | --- | | Data Visualization site - January 2017   * Mini project. In progress. Just a demo on the use of ECharts. <https://melvintang.github.io/data-viz1> * Tools used: Bootstrap, jQuery, JavaScript, ECharts   Recruiter site - December 2016   * Group project. Built a recruiter site which helps to sort out large number of job applicants through text-parsing and certain filters. <http://mjzproject4.herokuapp.com> * Tools used: Node.js, Express.js, Passport, NoSQL, AJAX, jQuery, Git   Task Application site - November 2016   * Group project. Built a site for people and businesses to outsource tasks.   <http://ease-co.herokuapp.com>   * Tools used: Bootstrap, Ruby on Rails, Active Record, Git   Business Analytics Capstone project - May 2016   * This project involves the business proposal of a data-driven strategy to deal with increasing popularity and availability of ad-blocking software for Yahoo (grade: 97.8%).   [pdf link](https://drive.google.com/open?id=0BwU8LrfmXqi5bUNoeUJwR1JVUFE)  Simulation model of vacuuming robots in rooms - March 2016   * Developed a simulation model to plot the mean time vs the number of vacuuming robots cleaning in a room to provide decision support. * Tool used: Python   Stochastic simulation of patient and virus population – April 2016   * Implemented simple simulations (with no drug treatment and with drugs). * Tool used: Python |   **Education**   |  | | --- | | Bachelor’s Degree (Mechanical and Production Engineering), Nanyang Technological University  2002 - 2006   * Specialize in Manufacturing Systems |   **Work Experience**   |  | | --- | | Math Coach, Learning Out of the Box  July 2015 - July 2016   * In charge of Secondary school Math and Science curriculum.   Education Executive, Mindlab Education  October 2010 - February 2015   * Taught Mathematics (eg. permutations and combinations, statistics) and Physics (eg. astrophysics, quantum physics) to local and international school students. They are IB Diploma candidates, Junior college and Secondary school students. * Created audiovisual aids such as Powerpoint presentations and handouts for students. * Dealt courteously, professionally, and tactfully with the parents in a variety of circumstances.   Education Executive, Potter’s Clay Education  April 2010 - October 2010   * Taught lower secondary Mathematics and Science. * Prepared lesson plans, course notes and other learning materials.   Education Executive, Smartlab Education Pte Ltd  October 2007 - March 2010   * Taught Physics and Science to Secondary 2 to 4 students. * Helped students to prepare for O-levels and most of them improved by 2 grades or more. | | **Continuing Education**   |  | | --- | | General Assembly:  Web Development Immersive (Full-time),  September 2016 - December 2016 | | MITx:  Introduction to Computer Science and Programming Using Python (grade: 99%),  Introduction to Computational Thinking and Data Science (grade: 97%),  January 2016 - May 2016 | | Coursera:  Business Analytics Specialization,  December 2015 - May 2016 |   **Skills**  Programming:  Python, JavaScript  Data Analysis:  Pandas, Numpy  Databases:  NoSQL, SQL  Academic:  Statistics (Descriptive and Inferential)  Web development:  Express.js, Ruby on Rails, AJAX, Node.js, jQuery, HTML, CSS  Project Management & Testing:  Git  **Particulars**  Nationality:  Singaporean  Availability:  Immediate |