

JOHN WONG

DATA ANALYTICS CONSULTANT

> EXPERIENCE

ANALYTICS CONSULTANT

05/2015 - Present

BIITConsulting / Malaysia

- * Develops ETL and predictive models for customer intelligence in major media & telecommunications companies using SQL, Shell, SAS Enterprise Guide and Miner. These models are used to reduce marketing costs and to improve management's understanding of customer needs, which led to a 50% reduction in churn for a campaign group of 30,000 customers versus a control group
- * Mentors a team of three to generate predictive, prescriptive and descriptive lists using SQL and Shell for campaign management
- * Researches and develop audio processing and image recognition model in R and Python using Hidden Markov Models, Gaussian Mixture Models and Convolutional Neural Networks
- * Supports management in researching, producing marketing tools, and identifying market opportunities in data analytics to expand company's portfolio
- * Build visual dashboard of inventory analysis using Qlik Sense for local distribution firm

RESEARCH DEVELOPER

01/2014 - 04/2015

EMason / Malaysia

- * Researched and developed predictive trade algorithms on Python, R, and Ruby platforms using neural networks and genetic algorithms.
- * Built integrated web dashboard for visual analysis of market and trade data

RESEARCH ASSISTANT

06/2010 - 05/2012

MRSEC / Massachusetts

- * Collaborated with experimental researchers to simulate and analyze Belousov-Zhabotinsky reactions using Matlab signal processing methods

> EDUCATION

BACHELORS OF SCIENCE

05/2012

Brandeis University / Massachusetts

Majors : Physics ; Mathematics ; Economics

> FREELANCE / PROJECTS

WEB DEVELOPER

10 hrs/ Month

- * Develops MVC platform webpages using PHP or Ruby with HTML5 and CSS3 along with GIMP and Inkscape for graphics designing

INVOKE VOLUNTEER

10 hrs/ Month

- * Invoke is a progressive, nongovernmental organization that aims to better educate voters while connecting volunteers with community work
- * Integrate CIVICRM on Invoke webpage to better automate registration and connectivity with volunteers while creating predictive models to focus policy research

TECH RESEARCH

30 hrs/ Month

- * Develops platform for Time Series Analysis using Python, R, and Ruby in addition to using native C for 10x speed improvement
- * Builds FarmBot using open sourced instructions with attempts to increase robotic movements and expand image recognition

CONTACT

PHONE

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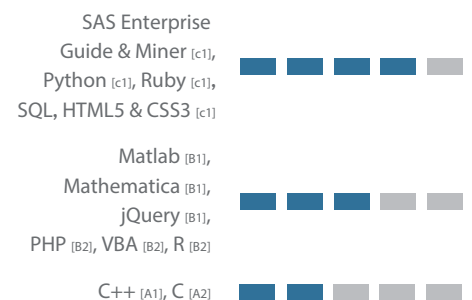
MAIL

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ADDRESS

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60000 Kuala Lumpur, Malaysia

SKILLS



RESEARCH

- 2016 • Modular Solar Energy Assisted Multiple Effect Desalination | Unpublished
- 2012 • Hilbert transform analysis of diffusion effects in time-dependent paired Brusselator oscillator | Thesis
- 2009 • Tissue preparation for the in situ MALDI MS imaging of proteins, lipids, and small molecules at cellular resolution | Publication
- 2009 • University Research Program Grant | Award