Dudon Wai

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OBJECTIVE: I am making a leap from commodities and manufacturing to apply my quantitative & analytical skills and strong work ethic to a dynamic and stimulating industry in Technology and Software.

TECHNICAL SKILLS

LANGUAGES
Rails/Ruby • Python/Django • Java • HTML/CSS • C++ • VBA

PROJECT MANAGEMENT
Engineering Design • Product Spec • Budgetting • Scheduling • Recruiting • Operations & Execution

SOFTWARE
MS Office • Eclipse • Weka

STATISTICS
Std. Deviation • Variance • Confidence and Significance

MACHINE LEARNING
Supervised • Random Optimization • Unsupervised • Feature Selection • Feature Transformation • Performance Analysis

MARKETING
Growth • Social • Advertising • Content

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
MS IN COMPUTER SCIENCE
Expected April 2018 | Online
Specialization: Machine Learning

UNIVERSITY OF WATERLOO
BS IN MECHANICAL ENGINEERING
Grad April 2014 | Waterloo, ON, Can
Specialization: Management Science

CERTIFICATIONS
UDACITY | CS, Statistics, Machine Learning
ONE MONTH | Python, Rails, Growth, Startups
GOOGLE ADWORDS | Certified: dudonwai
SILICON VALLEY BUSINESS REVIEW 2015
Growth Hacking via Andrew Chen, Brian Balfour

INVOLVEMENT
SHELL ECO-MARATHON | Operations
WORK NICER | Entrepreneur-in-Residence
CALGARY DROP-IN CENTER | Shell Sponsor
SCCEFC CHURCH | Audio/Visual Technician

WORK EXPERIENCE

GREYADV | COFOUNDER & CEO
Nov 2015 – Present | Calgary, AB, Canada
Led WordPress and HTML/CSS web development firm partnering with SMBs in oil & gas and farming industries. Sponsored website and startup workshops for businesses and members of the local Calgary community at Work Nicer coworking.

PETRORECRUIT | COFOUNDER & UX
May 2015 – Present | Calgary, AB, Canada
Built a talent marketplace with Ruby on Rails in a development team of 3. Product spec and implementation of resume upload and job post aggregation. After launch, the focus became user experience for employers, recruiters and applicants.

SHELL CANADA | DRILLING ENGINEER
Sep 2014 – Present | Calgary, AB, Canada
Design and execute drilling operations $50M+ annually. Optimize parameters and supply chain processes. Update quarterly cost & schedule estimates, submit operations plans for upcoming years.

SHELL CANADA, ABC GROUP, MAGNA INT'L, DOFASCO | ENGINEERING INTERN
Sep 2009 – Apr 2014 | Toronto, ON, Canada
Broad experiences in petroleum, automotive, manufacturing and steel industries, for a total 24 months of work in design, operations and QA roles.

PROJECT EXPERIENCE

WEB DEVELOPMENT FREELANCER
Reached out to 1000+ SMBs through 4 email campaigns. Bid for 10+ projects, awarded 4 and executed as lead developer.
Projects: Okotoks Farmers Market, Eco Focus Corp, Stable Legs, PetroRecruit.

GREYADV WORDPRESS AND STARTUP WORKSHOP
Prepared in-class WordPress curriculum and collaborated with the Calgary community to teach Lean Startup with guest lectures. *Project: www.GreyADV.com*

AMBIENT TEMPERATURE STUDY ON ENGINE MANUFACTURING
Conduct failure modes and effects analysis of ambient conditions on the production efficiency of assembly line with daily output of 1000+ Chrysler engine covers.

SHELL ECO-MARATON AMERICAS (SEMA) – UNIVERSITY OF WATERLOO
SEMA is a fuel efficiency competition. Designed and fabricated the structural chassis (4 months) and driver ergonomics (4 months) for a 1-person vehicle.

DRILLING OPERATIONS KPI/OKR TRACKING
Analyze real-time drilling data with Pason and ProNova. Examine project performance by drilling rate (ft/day), cost and time and report daily operations.

PREDICTIONS WITH WEKA
Explore UCI datasets for letter recognition and American census data, to understand the behaviour and applications of various machine learning algorithms.
Supervised: Decision Tree, k Nearest Neighbours, Artificial Neural Networks, Support Vector Machines.
Random Optimization: Random Hill Climbing, Simulated Annealing, Genetic Algorithm, MIMIC.
Unsupervised: k-means, Expectation Maximization, Principal Component Analysis, ICA, RP, IG

Update: November 2016