Ash Bellett

Relevant Experience

IBM Feb. '18 – Feb. '20
Graduate Consultant
Part of IBM's 'Consulting by Degrees' graduate program.

Mingara Australasia Nov. '16 – Nov. '17
Project Officer
Used MapInfo and SQL to transform raw, geospatial data into visual maps for clients.

Robogals Monash Jul. '16 – Jul. '17
President
Lead a team of students who organised robotics workshops for children and young adults.

MYER Oct. '15 – Oct. '16
Sales Assistant
Engaged customers by tailoring services using MYER's interaction strategy.

Notable Projects

Data science pipeline portfolio
Developed basic components of a data science pipeline including data mining via web scraping, data wrangling in R, data analysis using machine learning and visualisation using Python.

Web development using the Django framework
Designed a simple intranet website using Python, HTML and the Bootstrap CSS framework. Database was managed using MySQL. Deployed using AWS Elastic Beanstalk.

Wireless channel modelling and optimisation using ray tracing
Developed a ray tracing algorithm for wireless signal propagation using C and MATLAB. Validated the simulation results using data from software-defined radio measurements.

Academic Background

Monash University Feb. '13 – Nov. '17
Bachelor of Engineering (Honours)
Electrical and Computer Systems

Published a conference paper on wireless channel modelling at the 27th IEEE ITNAC.

Completed a Masters unit on Wireless Communications which covered advanced topics in probability and information theory.

Online Courses

Computing for Data Analysis
Georgia Institute of Technology
Covered the basic processes of data analysis including data collection, pre-processing, storage, analysis and visualisation.

Machine Learning for Data Science
Columbia University
Introduced machine learning principles such as algorithms, classifiers, dimensionality reduction, state vector machines and neural networks.

The Analytics Edge
Massachusetts Institute of Technology
Covered analytics methods including R programming, linear and logistic regression, trees and forests, clustering and optimisation.

Technical Competencies

Languages: Python, C, R, SQL, Unix shell
Tools: Microsoft Office, MapInfo, Git
Packages: Pandas, Scikit-Learn, Matlibplot

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