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.

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.

Professional Affiliations

EWB (Member) Jul. '17 – now
IEEE (Professional) Jun. '16 – now
IEAust (Graduate) Mar. '14 – now

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

Channel modelling 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.

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
Covered machine learning principles such as principal component analysis, state vector machines and neural networks.

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

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