
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 noise reduction using principal component analysis
Filtered weak principal components in noisy datasets using the Python library scikit-learn.

Web development using Django
Designed a simple intranet website using Python, HTML and CSS.
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 the application of ray tracing to wireless channel modelling at the 27th IEEE ITNAC.

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

Applicable Skills

Data Analysis
Project Officer role required representing data in simple, relevant terms for clients.
Involved identifying patterns in datasets to inform business decision-making.

Story Telling
President role often required delivering information through narrative.
Involved putting ideas into context for the audience.

Mathematics
Engineering studies required a solid understanding of higher mathematics.
Topics included linear algebra, calculus, statistics, optimisation, complex analysis and numerical methods.

Professional Affiliations

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