

Zhesi Ben Ning

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EDUCATION

UNIVERSITY COLLEGE DUBLIN

MSC IN BUSINESS ANALYTICS

Graduated Dec 2019 | Dublin, Ireland
Michael Smurfit Graduate Business School
Grade : 2.1

UNIVERSITY COLLEGE DUBLIN

BS IN COMPUTER SCIENCE

Graduated Sep 2018 | Dublin, Ireland
School of Computer Science
Grade : 2.1

PROJECTS

PREDICTING TIME-TO-SELL FOR CLASSIFIED ADS | DATA SCIENCE

Data science project which involve build predictive models to predict time-to-sell for classified ads which accompanied with exploratory analysis of the data and model interpretation. Code written in Python and some common data science package were used, such as pandas, scikit-learn, PySurvival.

BACKGAMMON TOURNAMENT ANALYSER | SIMULATION

This project runs Monte Carlo simulation to estimate the accuracy of the existing backgammon winning probability models using computer roll outs. Developed a model for the duration of human player matches using the computer roll outs and measurement of real games by running the open source GNU Backgammon (GNUbg).

RISK GAME | GAME

github.com/gdzhben/risk-game

Risk game is a Java implementation of the Risk Board Game. Java Swing was used to build its GUI for interacting with the user. This was a team project and implemented as a part of college assignment.

WITHHER POKER | CHATBOT&GAME

github.com/gdzhben/withHerPoker

Twitter-based implementation of five card draw Poker written in Typescript. Contains a bot that listens to direct messages for a twitter account, MongoDB were used to store the state of the game.

SKILLS

TECHNICAL SKILLS

Python 3 • Git • Linux

SOFT SKILLS

Problem solving ability • Agile • Waterfall • Customer facing

WORK EXPERIENCE

DISTILLED SCH | DATA SCIENCE INTERN

May 2019 - Sep 2019 | Dublin, Ireland

- Communicated with business stakeholders to understand business problems.
- Gathered necessary data from multiple data sources from a read-only Amazon Redshift database(PostgreSQL) and managed data quality.
- Conducted exploratory data analysis to reveal insights from motors Ads on Distilled SCH's platform DoneDeal.ie with Jupyter Notebook and JupyterHub on a scalable Linux distribution.
- Built data visualisation dashboard to provide insight into motor business data using Tableau and Matplotlib.
- Developed predictive models using machine learning techniques in Python using Scikit-learn.
- Leveraged analytical and reporting skills to support DoneDeal define possible new premium user features.

UCD | MODULE DEMONSTRATOR

June 2014 - Sep 2014 | Dublin, Ireland

- Collaborated with a team of 5 tutors teaching a number of computer science modules for non-cs major students.
- Coordinated coursework and continuous assessment during practical sessions for a class of up to 100 students.

UCD | TEACHING ASSISTANT

May 2013 - Aug 2013 | Dublin, Ireland

- Tutored undergraduate computer science students, covering material related to algorithmic problem solving, Java, Unix and introductory programming concepts.
- Graded numbers of scripts and programming assignments; gave feedback to individual students.
- Resolved students' inquiries, communicated with students on an individual basis regarding their courseworks.

WANDSOFT | SOFTWARE DEVELOPER INTERN

Jan 2016 - May 2016 | Dublin, Ireland

- Developed new features with a team of 5 software engineers for a web-based CRM system and provided solutions to ease GDPR compliance(Adobe ColdFusion and HTML).
- Updated existing CRM database(SQL) and developed new queries to accommodate new features required by GDPR.
- Created new screens within the end-user interface for an audit database.
- Gained exposure to a variety of technologies pertinent to database management, testing, networks and version control.