Daniel Jordan

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Skills

Programming Languages: C#, JavaScript, Python	***Databases:*** MySQL, MongoDB
Web Development: HTML, CSS, React, .NET, Django	***Software Development:*** Agile, Git

Experience

TRULIOO — VANCOUVER, CANADA   **Oct 2018 - Present**
Software Engineer
◇ Integrated external APIs to increase product coverage.
◇ Built internal tool to create data-source configurations, saving 20+ hours of labour per month.
◇ Worked on Analytics Engine to collect metadata from 4+ years worth of transactional data.
◇ Developed text comparison package for ordering and matching search results using proven text analytics algorithms, increasing number of billable transactions by projected 5%.

UNIVERSITY COLLEGE DUBLIN — DUBLIN, IRELAND   **Jun 2018 - Oct 2018**
Research Assistant
◇ Developed React Application to crowdsource chatbot conversation flow creation.
◇ Built REST API to facilitate data collection to MongoDB database.
◇ Spearheaded load/stress testing, identifying bottlenecks in application, and reducing server response time under load from >3000ms to <100ms (average).

UNIVERSITY COLLEGE DUBLIN — DUBLIN, IRELAND   **Sept 2017 - Jan 2018**
Tutor & Technical Demonstrator
◇ Provided hands on support to students learning about programming in Python.
◇ Evaluated and corrected student assignments.

Education

UNIVERSITY COLLEGE DUBLIN — DUBLIN, IRELAND   **Sept 2016 - Jun 2018**
MSc, Computer Science ❖ GPA: 3.9/4.2
◇ ***Research Project:*** Acted as code lead on research project into transportation scheduling (detailed below).
◇ ***Course Highlights:*** Advanced Data Structures and Algorithms, Text Analytics, Supervised Machine Learning, Software Engineering.

TRINITY COLLEGE DUBLIN — DUBLIN, IRELAND   **Sept 2011 - Jun 2015**
BA, Philosophy ❖ GPA: 3.6/4.2 (Equivalent)
◇ ***Course Highlights:*** Wrote dissertation on Modal Logic receiving first class honours. Acted as class representative for years 2013 and 2014.

Projects

BUS JOURNEY TIME PREDICTION (RESEARCH PROJECT) — Analysed historical GPS data from Dublin Bus network to develop predictive model for journey delays using Machine Learning. This model is 90% accurate within a 10 minute window. Deployed this model in a mobile first web application, allowing users to access accurate predictions of their travel time based on contextual factors such as weather and time of day.

CHESS BOT (PERSONAL PROJECT) — Built a chess bot using mini-max, alpha-beta and iterative deepening algorithms in Python. Current estimated rating +/- 1400 ELO.

FINANCE TRACKING APPLICATION (PERSONAL PROJECT) — Built application to automatically import transactional data from user bank accounts to budgeting application, supporting imports from 9,600 financial institutions.