DEAN CONNELL

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www.deanjconnell.com
deanconnell1999@gmail.com
github.com/deanconnell1999

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0894553203

ACHIEVEMENTS

- Chairperson of Student Council.
- Tutor at Maynooth Computer Science Centre.
- Public Relations Officer of Maynooth University Computer Science Society.
- 2nd Place in MU Programorama (December 2018).
- 1st Place in MU Programorama (December 2020).
- 1st in Fleadh Cheoil na hÉireann 2015 in Set Dancing (U15).
- 2nd in Ballinasloe Entrepreneurial Skills Tournament.

COMPUTER SKILLS

- Operating Systems: Windows and Linux
- Programming: R, MATLAB, Python3, Java, Haskell, Scheme
- Web Design: HTML and CSS

References available on request

PROFILE

Enthusiastic and methodically minded Computational Thinking student studying at Maynooth University. Adept at motivating myself and others. Passionate about grasping new ideas and concepts and mastering them. Able to work well both on my own initiative and as part of a team.

EDUCATION

BSC COMPUTATIONAL THINKING

Maynooth University   *September 2018 – Present*

Currently in final year of the 3-year accelerated degree, consisting of modules in Pure Mathematics, Statistics, Computer Science and Philosophy.

First year overall grade: 69.7%

Second year overall grade: 75.8%

LEAVING CERTIFICATE

Holy Rosary College, Mountbellew   *June 2018*

Studied 8 subjects at higher level and got 577 points in total. Achieved the highest grade in Irish and Biology, and over 80% in English, Mathematics, French, Chemistry and Accounting.

PROJECTS

EEG DATA ANALYSIS OF STROKE PATIENTS

MATLAB, Python   *November 2020 - Present*

The goal of this project is to compare EEG data of stroke patients with control patients and identify a biomarker or a characteristic difference between the experimental and control groups, in such a way that new EEG data for a patient can be read and classified as stroke or control data accurately. I will be using MATLAB to obtain event related potentials (ERPs) from the BESA pre-processed EEG data for both experimental groups and I will use Python to apply classification machine learning algorithms to these ERPs in the hope of identifying such a biomarker.

HOUSE PRICE PREDICTION ALGORITHM

Python   *December 2018*

This project predicts the price of a house given just the location and date of sale. My algorithm finds the selling price of 100 properties in the CSV sold close to that date (to consider the market prices at that time) and the selling price of 100 properties in the CSV sold close to the area (using geohashes to consider the market prices in the surrounding area). I take a weighted average of these to calculate the predicted price of the house.