

Sean McCann

Computer Science Student

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Education

2016–2020 **BSc Computer Science & IT, NUI Galway.**

Modules include: Algorithms & Data structures, Database Systems, Computing Systems, Object Orientated Programming, and Software Engineering.

First Year Result: 80% First Class Honours

Second Year Result: 81% First Class Honours

2010–2016 **Clongowes Wood College, Clane, County Kildare.**

Awarded an entry scholarship in 2010. Completed leaving cert to a high standard.

Leaving Cert Points: 550

Technical skills

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Javascript & Node.js Developed two applications with Node.js and Express, familiar with MongoDB, API requests and EJS

Node-Red Developed flows during my internship to integrate several 3rd party API's.

OpenAPI Created swagger specifications and documentation for API's with up to 60 endpoints, along with testing using Mocha.

Python Learning python through competitive programming challenges on Kattis.

Java Proficient in Java, learning OOP concepts and design patterns through University assignments and projects. Created a 2D Java Game.

C Good working knowledge of C programming, File handling and Linked Lists.

HTML & CSS Developed the front-end of both of my web apps using Bootstrap.

Projects

Playlist Generator Solo Node.js/Express project that uses the Spotify API to create a playlist based on user inputs which can then be added to their spotify account. Used OAuth 2, Axios and EJS. Deployed this app to Heroku <https://playlist-gen.herokuapp.com/>

Internship Search Group project, lead the team to make a web app for students to login, chat and search for internships from our Mongo Database. Organised scrums and set deadlines for my team.

Experience

- June 2018– **Software Developer**, *BIM Launcher*, Portershed, Galway.
Present Working as an Intern, developing node-red flows & Javascript to facilitate data transfer and compatibility between several large software providers in the construction industry. Developing Open Api 3.0 specifications and testing requests/responses using mocha. Working hands on with all aspects of the product.
- Sept 2017– **Student Ambassador**, *NUIG*, Galway.
May 2018 Representing the University on open days and events. Being a friendly and welcoming face to thousands of guests, as well as organized and hard working behind the scenes.
- 2017-2018 **Floor & Bar Staff**, *Electric Garden & Theatre*, Galway.
- 2015– 2017 **Floor Staff**, *Sullivans Royal Hotel*, Gort.

Honours & Achievements

- Winner of Cisco Jam programming competition 2018.
- Elected Computer Science Class Representative, NUIG Students Union 2017.
- Received the NUIG ALIVE award for volunteering 2017.
- Completed online marketing fundamentals, Google Digital garage 2017.
- Alberto Hurtado Scholarship, Clongowes Wood College 2010-2016.
- Mathematical Modelling Project in partnership with the University of Limerick 2015.

Additional skills

- Git Experience using git version control in my work and projects.
- Linux Use linux daily, comfortable working with command line.
- Agile Familiar with agile methodologies, scrums, sprints and stand up meetings.
- Customer Service Vast experience dealing with customers due to working in the service industry for 3 years and as a Student ambassador.
- Leadership Elected class representative in university, acted as a liaison between students and staff. Organized meetings with lecturers and helped other students.
- Team Work Worked as part of a team in Electric and Halo especially at closing time, making sure everything is finished to a high standard.