Daniel Grace

I am a hardworking and focused 3rd year Computer Science student in Trinity College Dublin. I am interested in programming and software development. My passions are Technology and Leadership. I am currently looking for a 2021 summer internship.

Contact Info

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dangrace.ie

Daniel Grace on GitHub

Daniel Grace on LinkedIn

Education

SEMPTEMBER 2018 - PRESENT

BA (Mod) Computer Science | Trinity College Dublin

First Year Grade: 62%, Second Class Honours
Second Year Grade: 65%, Second Class Honours
- 85% in Algorithms and Data Structures
- 79% in Software Engineering Project
- 80% in Computer Architecture I

Experience

JUNE 2020 - PRESENT

Web Designer | Freelance

- Designed and Implemented my own personal Website
- Worked in a team to develop and design Carrickmines Equestrian Centre's website
- Currently working on a Photographers Portfolio site.

DECEMBER 2018 - PRESENT

System Administrator | Dublin Indoor Football

- In charge of all Software and Technological systems in use at Dublin Indoor Football
- Implemented the Skedda booking system to make online bookings possible.
- Helping to create Digital solutions in order to meet the companies objective of going paperless by 2021.

Technical Skills

- Object-oriented programming using Java and Python.
- Systems programming using C.
- Web development using React.js and Bootstrap.
- Problem solving skills using appropriate algorithms and data structures.
- Design and implementation of microprocessor systems.
- Using MATLAB to analyse digital and analogue systems.
- Using Promela to verify concurrent programming solutions to problems.
- Sound Design and Production using FL Studio 20.
- ARM Assembly language programming.

Projects

Personal Discord Bot | Python

At the start of my third year in college, I decided to make a Discord bot in Python which will help me and my friends through our time doing online lectures.

The bot in its current iteration has various commands to display our timetable on any given day and then provide links to the online lecture rooms for any given module. - Link to this project on GitHub

Personal Website | HTML & CSS

Over the lockdown of 2020, I thought myself HTML and CSS. I constructed my website as a project to fully understand the languages.

The website is written entirely in HTML and CSS. I used the JavaScript framework, Bootstrap, in order to familiarise myself with using frameworks. - Link to project on GitHub

IBM Easy Annotator | JavaScript

During my Software Engineering Project module in my 2nd year of college, my group and I were given this project. The project was to develop a software that would enable surgeons to highlight regions of interest during surgery to identify cancerous cells.

Our part of the project was to design and build the UI and the annotation section of the project. - Link to this project on GitHub

Leadership Experience

- Recipient of the Mary Sinnott Cup in 2018 for the caring of the life of others.

- Vice-Captain of DUAFC (Trinity Soccer Club) for the 2019/20 Season.

- Cinnire (prefect) in the golden jubilee year of Colaiste Choilm CBS, 2018.

- Team Leader for Programming Project module in first year of college.