

Carl Peralta

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SUMMARY

A 3rd year Computer Science student, seeking a 3/6-month internship for Spring/Summer 2021.

A strong individual who is very motivated to code and extremely good at problem solving as enhanced through my current and college projects. Looking to join a company to demonstrate my software design skills.

PROJECT WORK

Transfer Market – Football (Java)

Skills and Outcomes:

- ✓ User Interface reliant
- ✓ Utilized the CRUD functionality
- ✓ Step by Step program that follows the process of a Football Transfer Market.
- ✓ Getters and Setters / Constructors for the subclasses (Player, Person, Manager, Team)
- ✓ <https://github.com/ThePeralta12/Transfer-Market---Football>

NodeJS with MongoDB (JavaScript)

Skills and Outcomes:

- ✓ Utilized the CRUD functionality
- ✓ Learned to connect JavaScript to MongoDB cloud
- ✓ Introduced number of collections.
- ✓ <https://github.com/ThePeralta12/Database-using-MongoDB>

Shape - Memento Design Pattern (C#)

Skills and Outcomes:

- ✓ CRUD Shapes in a Canvas
- ✓ Implemented Undo-Redo functionality
- ✓ User Interface reliant
- ✓ <https://github.com/ThePeralta12/Shape-Memento>

COMPUTING SKILLS

Programming Languages: Java, CSS, JavaScript, HTML, SQL, MongoDB, MySQL, C#, Python, Android Studio.

Operating Systems: Windows, MacOS and Linux.

Other: High problem-solving, algorithms, and Data Structure, Data Analysis, and Web Development Skills

PERSONAL DEVELOPMENT

- ✓ Regular user of the Stock Exchange with a good knowledge of the stocks.
- ✓ Attend on-site company presentations that caters towards my Degree.
- ✓ Spending free time solving HackerRank problems (Sorting, Arrays, etc.).
- ✓ Comfortable with online communication tools i.e., Microsoft Teams/Zoom.

REFEREES UPON REQUEST

EDUCATION

2018 – Present

Maynooth University, Maynooth, Co. Kildare.

B.Sc. Computer Science & Software Engineering

Year 2: 2:1

Year 1: 2:2

(See Appendix for results breakdown)

2017-2018

Blackrock Further Education Institute

QQI Level 5 Certificate Computer Science in Software Development

2011-2017

Coolmine Community School

Leaving Certificate CAO Points: 302

EMPLOYMENT

2017-2020

The Croke Park Hotel

Food and Beverage Assistant

- ✓ Excellent Customer Service
- ✓ Team player
- ✓ Efficient Time Management
- ✓ The ability to work independently.

VOLUNTEERING

Sept 2018

Maynooth University

CoderDojo Demonstrator

- ✓ Program using Scratch.
- ✓ Taught kids Python Turtle
- ✓ Responsible for supervising 6-11 y/o students.

Feb 2018

Ergo Ireland

Work Experience/Shadowing

- ✓ Understood Ergo ecosystem (Microsoft)
- ✓ Shadowed a Software Engineer
- ✓ Attended Scrum meetings
- ✓ Assisted with Software Engineer Interns on their side-project.

APPENDIX

3rd year modules 2021.

Grades published June

Software Design
Programming Languages & Compilers
Computation and Complexity
Team Project
Computer Networks
Software Verification

2nd year results

Module Name	Grade %
Databases	70
Algorithms and Data Structures 1	66
Algorithms and Data Structures 2	44
Computer Architecture 1	60
Web Information Processing	55
Operating System: Communication & Concurrency	60
Computer Architecture 2	66
Software Testing	63
Software Engineering & Software Process	69
Theory of Computation	64
Calculus 3	43
Linear Algebra 2	56

1st year results

Module Name	Grade %
Introduction to Computer Science 1	40
Introduction to Computer Science 2	86
Computer Systems 1	64
Computer Systems 2	45
Introduction to Calculus	42
Linear Algebra	40
Intro to University Learning & Beyond A	50
Intro to University Learning & Beyond B	55
Introduction to Statistic	56

QQI Level 5

Module Name	Grade
Object Oriented Programming (Java)	Distinction
Software Architecture	Distinction
Maths for IT	Distinction
Database Methods (SQL)	Distinction
Web Authoring (HTML, CSS3 & Dreamweaver)	Merit
Spreadsheet Methods	Merit
Communications	Distinction

REFEREES UPON REQUEST