Seán Cunniffe

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sean-cunniffe.github.io/portfolio/
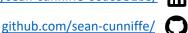
Profile

University graduate with a Bachelor's of Engineering, self-motivated with leadership and teamwork abilities and a drive to always improve and increase his skill set in Software Engineering and Web Development.

Education

National University of Ireland, Galway
Electronic and Computer Engineering

SEPT/2016 – MAY/2020

Grade: Second Class Honours, Grade 2

Academic Courses

Software Engineering III (A) • Embedded Systems Applications Programming (A) • Final Year Project (B) • Database Systems I (B) • Programming III (B) Machine Learning (C) • Distributed Systems & Co-Operative Computing (C) • Engineering Electromagnetics (C) • System on Chip Design I (C) • System on Chip Design II (C)Real Time Systems (D) • Communications and Signal Processing Applications (D) • Digital Signal Processing (D) • Telecommunications Software Applications (D) • Analogue Systems Design II (D) • Communication Signals and Systems (D) • Digital Systems II (D) • Signals and Communications (D) • Project Management for Engineers (D) • Professional Skills (Pass)

(A) >70% (B) >60% (C) >50% (D) >40%

Work Experience

Boston Scientific Corp, Galway
Software Developer Co-op

JAN/2019 – AUG/2019

- **Planned and developed** a Quizzing System with Machine Maintenance Department.
- **Organized bi-weekly Project planning meetings** with the management team overseeing the development of the Quizzing System.
- **Worked with a HR team** organizing events such as school visits, local competitions, etc.
- Gathered brainstormed ideas on workplace improvements and categorized them for further analysis.

McDonalds Shop Street, Galway
Crew Member

SEPT/2017 – MAY/2018

- **Fast pace environment** where **organization** and **teamwork** were crucial.
- Proving exceptional **customer service** inline with McDonald's standard procedures.

Achievements

- Holder of a full drivers' license.
- Completed online certificates on Spring Framework, Hibernate, and Angular.

Projects

(More Projects on my web portfolio)

Quizzing System

Skills used: Java, JavaFX, SQL Server

- Final year project in collaboration with the Computer Maintenance Department in Boston Scientific Galway.
- A system to quiz Technicians.
- JavaFX application invokes methods on RMI Server that performed CRUD operations on a SQL Server.

Visual Sorting Algorithms Link GitHub

Skills used: Angular 9, TypeScript, Sorting Algorithms

- A visualization tool to demonstrate different sorting algorithms.
- Uses colors to show users how the algorithms swap and insert elements to sort an array.

Visual Graph Searching Link GitHub

Skills used: Angular 9, TypeScript, Searching Algo.

- A visualization tool to demonstrate DFS and BFS in a randomly generated graph.
- Uses colors to show users how the algorithms transverse the graph.

Item Shop GitHub

Skills used: Java, TypeScript, CSS, HTML, Spring Boot/JPA, Angular 9

- Book, Mug and Mousepad Shop
- Angular Web App that calls CRUD operations on a Spring Boot Application

Workout Tracker GitHub

Skills used: Spring Boot/Security/Data, Jackson Json mapping

- A REST API for users to log their workouts.
- API uses JWT authentication.
- Email verification is used to verify users.

Skills

Technical Skills

Java • TypeScript • Angular 9 • Spring Core/Boot/Security /Data • Hibernate • MySQL • SQL Server • HTML • JSP • CSS • UI/UX design • GIT/Github • JavaFX • Firebase • Agile Environment (Scrum) • Machine Learning Algorithms • Sorting Algorithms

Soft Skills

Leader • Communicator • Strong Adaptability

References

Can be provided on request.