

# Scott Carey

## Software Engineer

Hanover, DE | Dublin, IE (EU Passport)

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## Profile

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- Graduated with First Class Honours in Creative Computing from IADT in Dublin (November 2022)
- Two years of experience as a Team Lead in Zero Latency Dublin, where I am responsible for maintaining a cutting-edge free-roam VR (FRVR) system
- Advanced level in JavaScript; Microsoft Azure; React.js; Java; MongoDB; CosmosDB; Express.js; REST APIs; Kotlin; Node; HTML5; Cascading Style Sheets (CSS); Python; PHP; MySQL
- Very interested in developing with the MERN stack (Mongo, Express, React, Node)
- Proficient in use of IDEs including Visual Studio Code; Brackets; Atom; Jupyter Notebook
- Currently working with an Engineering Master student on a solar calculation app - using JavaScript to create a REST API linked to a React front-end

### Languages:

- English (Native); Irish (Basic+, written & oral); German (Basic, written & oral)

## Education

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2018 – June 2022

**BSc (1st Class Hons) Creative Computing IADT** | [iadt.ie](http://iadt.ie)

**Modules:** Computer Architecture, Operating Systems, Advanced Databases, Business & Entrepreneurship, Research & Analytics, Artificial Intelligence, Advanced Web Design, Advanced JavaScript, Android Development (kotlin).

**Third Year Professional Project:** I worked and cooperated alongside a class colleague to design and develop a web-based application within the Homestead environment using Laravel PHP Framework. The application was intended for use by job seekers and employers within the start-up sector. The application also included an Android companion app which was coded with Kotlin to allow users to view job listings on the move.

**Final Year Capstone Project:** Designed, developed, tested, and implemented my own Object Detection Model which recognises and predicts hand drawn images of web elements in conjunction with a React.js frontend and REST API to serve the prediction model. The algorithm then generates appropriate HTML code for the user to use and edit in real time. The tool uses two Azure storage solutions (Blobs & Cosmos DB with mongoose schema) in addition to Azure cognitive services. *Read more about this project here:* [onshow.iadt.ie/2022/student/scott-carey/](https://onshow.iadt.ie/2022/student/scott-carey/)

2012 - 2018

**Leaving Certificate Wesley College** | [wesleycollege.ie](http://wesleycollege.ie)

**Certificates:** “Machine Learning with Python” - IBM Developer Skills Network - 2023  
“Networking Essentials” – Cisco Networking Academy - 2021

## Technology Skills

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- **JavaScript:** Have a keen interest in developing with JavaScript; Enjoy working with libraries such as React.js and Express.js which were incorporated into my final year capstone project
- **Azure:** Self-taught to suit the demands of my capstone project; Utilized cognitive services, storage blobs, API, and web hosting
- **NPM:** Installed packages and libraries using NPM; Explored documentation incorporate to projects.
- **HTML:** 5+ years’ experience studying + coding HTML along with CSS as core elements of my college course
- **PHP:** Experience working within the Homestead environment running on Linux VM; Developed an API and web app using Laravel; The application could then be consumed by an Android client device; Back-end for the application connected to a hosted SQL database that served the client
- **SQL:** Gained knowledge of SQL data queries as part of continuous database studies and practical work

## Career History

**Sept 2020 – Present:**

**Zero Latency Dublin Free Roam VR, Dublin**

### Team Lead

- Gen-1 - Gen-3 Upgrade Project Manager
- Responsible for Installation of systems and hardware
- Responsible for equipment servicing - dismantling and diagnosing and fixing technical issues of a cutting-edge Free Roam VR (FRVR) system
- Monitor and maintain the network & system servers
- Manage Zendesk ticketing and support system to ensure efficient service and support
- Events & Games host
- Social Media Management & Content Creation

**June 2021 & June 2022:**

**IADT Dun Laoghaire, Dublin**

### Tutor Demonstrator for IADT Coding Camps

- Nominated by lecturers to teach in IADT yearly summer course for first and second level school students
- Taught core fundamentals of P5 and Java development and guided students in completion of technical coursework
- Invited to return as a senior tutor on courses to teach coding skills to young students
- Developed and delivered course curriculum for duration of the summer course
- Tasked with lead role for teaching Adobe Creative Suite, HTML and Bootstrap course

**Aug 2019 - Oct 2019:**

**Giga-Bite Café, Dublin**

### Store Supervisor

- Maintained operational status of all computers and consoles on the premises
- Set up network solutions in the facility and build new systems as needed
- Troubleshooting problems that arose and diagnose and fix them without delay
- Dealt with customers in an occasionally high-pressure retail environment

## Interests & Achievements:

### **Music:**

- Singing and guitar; Perform at open mics, pub gigs, etc.; Weekend Busker on Grafton Street in Dublin; Member of award-winning secondary school senior choir

### **Technology:**

- Currently collaborating on development of a new solar energy calculation app with an Engineering Masters Student in University College Dublin (Express.js; React.js; Node)
- Bought parts and built my own workstation for coding projects and assignments and for my music and photography projects

### **College Achievements:**

- First Class Honours Degree; Verbal commendation from course tutor on the quality of my capstone project

### **Outdoor Activities:**

- Mountain Biking; Hiking; Skateboarding - and Street Performing

### **Volunteer Work:**

- Assisted at local church summer camp for children which was aimed at providing a fun and welcoming environment filled with outdoors activities, music, and crafts

**REFERENCES AVAILABLE UPON REQUEST**