

James Hughes

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Summary

I am a Graduate of Computer Science (Infrastructure) from Technological University Dublin, Ireland. I have experience with several programming / scripting languages, database admin technologies, operating systems, network configuration / admin, microcontrollers, Unity Games engine, API's, Image Processing and Cloud infrastructure from college and previous jobs. I have worked on some projects including a game, a language analyser, multiple websites, an android application and a lot of assignments from my time in college. Most of these can be found on my Github profile. I have completed an internship with SAP in my third year of college where I created a web application with a team of 7 people as a full stack developer with SAPUI5 framework. I returned to SAP as a graduate after graduating. I'm currently looking for a job in software development or DevOps to gain experience in this area and advance my career.

EDUCATION

Hedgestown National School, Hedgestown, Co. Dublin, Ireland	2002- 2010
Franciscan College, Gormanston, Co. Meath, Ireland	2010- 2016
Technological University Dublin (TUD), Co. Dublin, Ireland	2016- 2020
DT211C BSc in Computer Science (Infrastructure)	

PERSONAL SKILLS/QUALITIES

- I am very quick to learn new skills and can adapt to different situations and work with change.
- Full clean driving license and over 5 years driving experience. I am a careful and competent driver.
- Experience with customer service and working with people in a team.
- Experience with tools and have good technical and problem-solving skills.
- Fluent English, basic level of German (A1) and currently learning Spanish.

Technical Skills

Programming Scripting languages	Java, Python, C, C#, JavaScript, PHP, HTML, CSS
Databases	SQL, MongoDB, SAP S4/Hana
Operating systems	Windows, Linux/Unix
Networking	Cisco, Sockets, LAN, WAN, Routers, Switch config
Micro-Controllers	Arduino, Assembly Language, (C)
Game Engines	Unity, (C#)
Cloud infrastructure	Microsoft Azure, SAP Cloud Platform, Docker
Other	API's, GIS, Image Processing

- During my internship with SAP, I gained a lot of valuable experience with cloud infrastructure, using SAP cloud platform and developing an app on SAP's Fiori platform using SAPUI5 HTML5 framework.

Final Year Project

The goal of my project was to create a game involving a basic self-driving car AI, a human player and a procedurally generated city environment within Unity 3D. The AI was created using C# scripts.

The design of the game is:

- Procedurally generate a city using Perlin noise.
- For the player to navigate the environment while searching for a goal point and avoiding the rogue self-driving car.
- The rogue self-driving car to patrol the environment, search for the player and pursue if in its line of sight.

I was met with some issues and was limited on time with my project. I'm currently still working on the project in my spare time. Currently the game is playable and most of the features are functional. I am still working to get the Ai to the specifications I originally planned on. The Ai will patrol the city randomly, but it will not yet pursue the player when in its line of sight this is the most difficult part of the project and I plan on getting it finished soon.

WORK EXPERIENCE

Eurocycles

March 2017 – Jan 2019

- Bike mechanic / Sales assistant
- Servicing and repairing bikes
- Helping customers choose right bike for them
- General customer service
- Worked and got along very well with a small group of colleagues

SAP

Feb 2019 – Sept 2019

- 7 month paid internship with SAP
- Worked in the Centre of Excellence (COE) on SAP Cloud Platform team
- Worked on a project as a fullstack developer with other interns to create a staffing application for SAP's Fiori platform using SAPUI5 framework.
- Presented this project to staff and managers at the end of internship
- Created a presentation for customers on IOT & SAP Cloud platform.

SAP

Sept 2020 – June 2021

- Returned to SAP full time after final year of college
- Participated in 3-month Graduate program which included training and Rotations in different areas/teams. (Completed HANA100, SAPTEC and ADM100 training courses. Rotations in areas such as Backoffice, IOT.)
- Upon completion of graduate program, I worked in the Centre of Excellence (COE) on SAP Data Management team
- I completed training on data management specifically Migration cockpit.
- I worked solving customer queries and problems with Migration cockpit through service now.

HOBBIES AND INTERESTS

- **Cycling:** I have been cycling for over 7 years now. I race as a member of Stamullen Road club. Cycling has made me more motivated as a person and improved my ability stay committed to long term plans. Fitness is important to me, and cycling helps me to stay fit and push myself at the same time. I have placed within the top 10 in several races and still have aims to win races and advance to higher categories.
- **Technology:** I have a strong interest in technology and enjoy learning about different languages and technologies such as microcontrollers and games engines in my spare time.
- **Languages:** Recently I have gained an interest in learning new languages. In 2021 I moved to Vienna, Austria for 6 months to learn German and now I am currently living in Barcelona, Spain while learning Spanish. I have really enjoyed living abroad and experiencing different cultures and languages.
- **Music:** I have an interest in music and practice Guitar, Keyboard and Ukulele. Music helps me to relax and motivates me.

Links

LinkedIn Profile: <https://www.linkedin.com/in/james-hughes-8516b1132/>

Github: <https://github.com/JHughes135>