Alan Byrne - CV

CS ○ Software Development Graduate

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Professional Summary

Motivated Computing with Software Development graduate. With collaborative project experience and adaptability across technologies. Strong analytical, problem-solving skills, and communication. Eager to contribute to a dynamic tech team.

Education & Qualifications

BSc (Honors) Computing with Software Development   GPA 3.96 / 4.0   *2020 – 2024*

4th Year Modules:

Final Year Project Thesis	A	Algorithms & Computation	A
Computational Theory	A	Enterprise Performance Architecture	A
Enterprise Application Development 1	A	Enterprise Application Development 2	A
Applied Machine Learning	A	Applied Artificial Intelligence & Deep Learning	A
Interactive Media Design	A	Information Management	B+

Significant Projects Undertaken

IBM Final Year Project Thesis: Jira-Collab was a mobile project management android app built using the Ionic-Angular Mobile development framework, for IBM. It integrated Atlassian's Jira Cloud Software via its API. Users could view team members' progress, collaborate through task comments, and use real-time chat powered by Firebase Fire store. Push Notifications were managed using Google Cloud functions, which listened for changes in issue chats in order to notify users. The app reflected real-time updates from the Jira Cloud web version, allowing task reassignment, comment management, priority and status updates.

Game Selling Ecommerce Web Application (*2nd Year*) A Django-based game selling website. Features which were included were game purchasing, rating and commenting. Account authorization with user profile customization including admin controls. Timed vouchers, , purchasing statistics using graphs were also included.

IT Skills

Languages:	Python, Java, C#, C++, Typescript, JavaScript, Rust, Lua
Web & Mobile Dev:	HTML5, CSS, Angular, Ionic
Databases:	SQL (Oracle 11G), .NET for schema design
Data Science:	Python libraries, Streamlit for visualization
Cloud & DevOps:	Azure, GitHub, Git, GCP (Cloud Functions, Cloud Run, Firestore)
AI/ML/DL:	WSL2, Jupyter, NVIDIA CUDA, Tensorflow
Other:	UML, Windows/Linux automation, Network Design (Packet Tracer), NeoVim

Work Experience ○ GridBeyond

About the Company: Energy aggregator providing AI energy management solutions. Visit at GridBeyond.com

IT Summer Internship: May 2022 – September 2022

Responsibilities -
- ➢ Migrating the company's current IT change management system from a Microsoft PowerApp to a service desk application called Freshservice.
- ➢ Developing Solar PV Forecasting capabilities using Python for a Portuguese Energy Utility company, one of GridBeyond's investors, Energies de Portugal.

College Work Placement: Jan 2023 – August 2023

Responsibilities -
- ➢ Worked on projects requiring skills ranging across both Data Science and Engineering.
- ➢ Providing support on current and past pythonic projects built by others and myself.
- ➢ Building projects helping automate repetitive tasks undertaken by people outside of IT.
- ➢ Supporting the deployment of various individual and team-based projects.

Interests & Achievements

Professional
- ➢ Certificate for JavaScript Course
- ➢ Certificate for C# Course
- ➢ Certificate for HTML, CSS, and JavaScript For Web Developers
- ➢ Certificate of Excellence - Cloud Computing Competition 2022
- ➢ Certificate for Fundamentals of Deep Learning by NVIDIA

Posts Of Responsibility
- ➢ Made class rep for my second year in college.