

Matthew QUINN

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Personal Summary

Senior Software Engineer working in Data Science and Engineering (DSE). Most recently working with Java, Python and OpenCV in Machine Vision projects. Experience in web development - .NET Core applications with C# and Angular 2 as well as PHP. Constantly furthering personal development and looking for new challenges - I love detail and enjoy crafting useful business tools to aid productivity and profitability. Passionate about data and excited when experimenting with DSE, Machine Learning/Vision and programming to derive business or social value from new areas.

Key Skills

Languages Comfortable with: C#, Java, Python, PHP, JavaScript, SQL, VBA. Knowledge of: C++, PL/SQL
Technologies .NET Core, .NET Framework, Angular 2, OpenCV, TypeScript, Apache NiFi, Data Science and Machine Learning: SciKit Learn, SVMlib, Pandas & NumPy etc., DataViz: PowerBI, Folium, Plotly, Flot/Morris.js, Tableau. Laravel, Wordpress, Django, Git, CI/CD (Docker, Chef, Vagrant), Database (MySQL/MariaDB, Oracle, MS SQL Server), Windows/Linux Server Admin, Networking, VMware/Veeam, Powershell

Education

- 2017–2019 **Bsc (Hons) IT Software Development**, *University of the West of Scotland*.
First Class, Winner: Court Medal
- 2015–2016 **Modern Apprenticeship LV3 - IT & Telecommunications**, *YouTrain*.
- 2013–2015 **HNC Computing**, *Glasgow Clyde College*.
- 2008–2010 **DipHE Product Design and Innovation**, *The University of Strathclyde*.
- 2006–2008 **Scottish Higher Grades**, *St. Joseph's Academy*.
English (A); Mathematics (B); Physics (B); Product Design (B); Art and Design (B); Computing (C)

Experience

- Jun 2018 - **Senior Software Developer**, *Leidos*.
Present Worked within Data Science and Engineering on underwater Machine Vision projects with OpenCV/Java/Python/NiFi. Enterprise development work in C#, .NET Core/.NET Framework, Angular 2 and work on legacy C++ and PL/SQL based applications. Design and development of a new mobile-first HR web app in .NET Core and Angular 2 for the UK's largest airport. Engaged in CI/CD and environment management work. *Java, Python, OpenCV, Data Science and Engineering, C#, .NET Core, Angular 2, JS, C++, PL/SQL, Chef/Vagrant/Octopus/TFS/GitLab*
- Sep 2015 - **IT Support Engineer**, *Innovac Ltd*.
Jun 2018 Full stack PHP development e.g. Job/Cert management system for busy haulage firm, SMS text parsing system and BI dashboards for stock management. 3rd line IT support for SMEs, Windows/Linux server and ERP system maintenance, networking. *PHP, Server Admin, Networking, 3rd Line IT Support*
- Jan 2014 - **Clerical Officer / Data Quality**, *NHS Ayrshire & Arran*.
Sep 2015 Ran Audit desk of Medical Records department, liaising with senior clinical staff to facilitate research. Automated various manual data handling processes in Excel/VBA to save hundreds of man-hours. *VBA, Excel, Access*
- 2007–2013 **Various**, *12-13, Supervisor, Cross Enterprises. 07-09, Team Member, Whitbread. 09-10, Team Member, Belhaven. 11-11, Team Member/Supervisor, Whitbread. 11-12, Team Member, Greene King.*

Publications, Awards and Certifications

Papers: British Sign Language Recognition In The Wild Based On Multi-Class SVM. DOI: 10.15439/2019F274. 2019 Federated Conference on Computer Science and Information Systems (FedCSIS)

Awards: Leidos - Spot Award x2; Service Recognition Award (SRA) for work in Global Airports and DSE. UWS: Court Medal

Certifications and Memberships: AMBCS British Computer Society (BCS), AWS Technical Professional, Veeam VTSP, VMWare VMTSP, Oracle Academy DB Design & SQL Programming

Volunteering, Other Skills and Interests

Volunteering: Career Ready mentor 2019-2021 (mentoring disadvantaged young people aged 14-18 to reach their full potential in the world of work). **Other:** Data Science and ML, FOSS, Graphic Design, Game Dev, Weightlifting & Martial Arts, Full clean UK driver's license