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| |  | | --- | | CONTACT | | 07599285865 | | geanyb2712@gmail.com |   KK   |  | | --- | | SKILLS | | C++, C#, Python | | Agile Software Development | | GitHub & Azure Repos | | Microsoft & Catch Unit Test Frameworks |   J   |  | | --- | | INTERESTS | | Web development | | C# Android App development | | Reading & Creative writing | | Beyang.Arrey@Renishaw.com |  |  | | --- | | VOLUNTEERING | | 4.0 Sight Book Interview  EU Automation  (12/2018) | | Code Club Stafford  Stafford Library  (09/2018 – 12/2018) | | Great Science Share event  St Joseph’s Catholic Academy  (06/2018) | | IET PATW Competition  IET Birmingham  (04/2018) | | ITV Midlands Interview  Made in the Midlands Ltd.  (02/2018) | | Career Advisor  Weston Road Academy (05/2017) | | Guest Speaker  Walton Priory, Stone (03/2017) | | Beyang A. A. Arrey  Software Engineer, BEng, MSc, MIET   |  | | --- | |  | | **EXPERIENCE** | | |  |  | | --- | --- | | Laser Logging UI (WPF/C# .NET) – Renishaw PLC | Apr 2019 – Present |  * Currently responsible for creating and testing a WPF user interface tool which enables parallel logging of laser parameters on test rigs  |  |  | | --- | --- | | Power Map UI (C++/C# .NET) – Renishaw PLC | Dec 2018 – Apr 2019 |  * Created and tested a WPF user interface tool which enables service engineers to calibrate laser powers  |  |  | | --- | --- | | Common Layer (C++/C# .NET) – Renishaw PLC | Aug 2018 – Dec 2018 |  * Created and tested a dynamic linked library to ensure efficient conversion of a Common Layer Interface file into a 3D model  |  |  | | --- | --- | | Laser Control Tests (C++/C# .NET) – Renishaw PLC | May 2018 – Aug 2018 |  * Implemented test scenarios using VS2015 Unit Test Framework to ascertain robustness and production standard of the laser controller  |  |  | | --- | --- | | Polygon Archive (C++/C# .NET) – Renishaw PLC | Nov 2017 – May 2018 |  * Created a C++ module which parses polygon archives into a 3D model efficiently generating a 2D slice topology for an input model  |  |  | | --- | --- | | STL File Conversion (C++/C# .NET) – Renishaw PLC | May 2017 – Nov 2017 |  * Utilised analytic skills to create a plugin which converts stereolithographic files into highly compressed polygon archives  |  |  | | --- | --- | | Software Support (C++/C# .NET) – Renishaw PLC | Jun 2016 – May 2017 |  * Provided excellent customer support and bug fixes to ensure proper functioning of software on additive manufacturing (AM) machines  |  |  | | --- | --- | | AM Control System (Python/C++)– Renishaw PLC | Jul 2013 – Jun 2016 |  * Managed the control system running on AM machines to guarantee smooth integration with hardware.  |  | | --- | | **EDUCATION** | | M.Sc. Distinction, Communications Engineering & Networks with Industrial Studies, The University of Birmingham (09/2011 – 06/2013)  B.Eng. (Hons) First Class, Computer Systems Engineering, The University of Birmingham (09/2008 – 06/2011)  4 GCE A Levels in Biology, Chemistry, Physics, Pure Mathematics with Mechanics, Saker Baptist College – Limbe, Cameroon (09/2006 – 06/2008) | | |