

Education	The University of Sheffield BEng Electronic Engineering Predicted: First Class	UK 2017 - Present
Professional Experience	<p>VolkerRail Electrical Design Engineering Intern (Placement Year)</p> <ul style="list-style-type: none"><li>Designed and developed electrical design schematics and simulations in a team for use on the railway</li><li>Managed the entirety of a design job; understanding the scope, rectifying issues in electrical simulations, improving design workflow with efficient organisation of files and communications</li></ul> <p>CBC Emea Web Development Intern</p> <ul style="list-style-type: none"><li>Learned to design and code websites in an agile environment</li></ul>	<p>June – June 2020 Doncaster, UK</p> <p>August 2016</p>
Project Experience	<p>Final Year Project University of Sheffield, EEE Department</p> <ul style="list-style-type: none"><li>Development of algorithms to embed and extract invisible watermarks from digital and print media for copyright protection</li><li>Improved technical knowledge on computer vision and image signal processing</li><li>Writing an IEEE Article on the findings and performance of the algorithm</li><li>Development of a Web Application for easy access to the software</li><li>Making use of Python, OpenCV, NumPy, PyWavelets and Git</li></ul> <p>IMechE Formula Student University of Sheffield, Sheffield Formula Racing (SFR)</p> <ul style="list-style-type: none"><li>Member of a new initiative, the Electric Powertrain team to design and develop an electric formula student car in conjunction with the IC car</li><li>Improved technical knowledge of mechanical designs in tandem with electronics and software – Developing data CAN and data logging systems using micro-controllers.</li><li>Developed better communication and teamwork skills in the inter-disciplinary team of 60 members</li></ul> <p>Raspberry Pi Server Personal Project – <a href="https://yomis.blog/piserver">yomis.blog/piserver</a></p> <ul style="list-style-type: none"><li>Designed and 3D printed a home server for local backups and network apps</li><li>Using Fusion 360 (CAD), Python, React, HTML, CSS, Docker and JavaScript</li></ul>	<p>Sept. 2020 - Present</p> <p>2017 - Present</p> <p>May – November 2020</p>
Extra-Curricular Activities	<p>Server Build Maintenance – <a href="https://yomis.blog/server-pc">yomis.blog/server-pc</a></p> <ul style="list-style-type: none"><li>Built a Server PC running Linux as a hypervisor with Kernel-based Virtual Machine (KVM) to virtualise other operating systems</li><li>Learned more about the Linux kernel, kernel patching, resource sharing &amp; management, network protocols, scripting and Docker containers</li></ul> <p>Photography Society Publicity Officer</p> <ul style="list-style-type: none"><li>Improved member engagement through the effective use of social media platforms</li><li>Developed illustration and animation design skills to promote events</li></ul> <p>Photography Website – <a href="https://yomitosh.com">yomitosh.com</a> built with Next.js static site generator</p>	
Skills	<p>Languages: C/C++, Swift, Python, MATLAB, JavaScript</p> <p>Frameworks: React, Next.js</p> <p>Development Tools: Git, Xcode, VSCode, Linux, Docker</p> <p>Other: Photoshop, Blender, Arduino IDE, SQLite</p>	