

Timothy Bland

Product Designer Engineer

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Summary & Achievements

- Three years' experience working multi-disciplinary design & engineering roles.
- Completed 7 projects from concept development to prototype models while in academia.
- Took initiative to introduce & incorporate new technologies for employers.
- Previous experience in quickly learning new skills & software for specific roles. Open minded and willing to challenge the way things are done and not accept legacy solutions.

Currently presenting in the innovation focused 2020 Global Grad Show with my product the "Dew Sail". I have been interviewed by BBC Radio Solent, as well as appearing on ITV to explain the product. I am a multi-instrumentalist and have written, and produced multiple of my own albums, primarily for my own amusement.

Work History

Hydroplan

June 2018 - August 2019

Designer

July 2020 - June 2021

Part of a team designing hydro-electrical schemes. Producing CAD models, engineering drawings, and planning documents for all stages of construction.

- Extensive use of Inventor & AutoCAD to produce engineering drawings and produce 2D & 3D CAD models for mechanical components and civil structures.
- Sketched and modelled 100s of CAD models with consideration to DFMA, usability, and human factors.
- Designed & established the practice of parametric CAD models.
- Streamlined the design process by redesigning the company templates and design documents.
- Inducted and guided 2 placement students.
- Established the use of Civil 3D for the design engineers, and planning team.
- Devised & integrated photo-realistic visualisations to improve planning & proposal submissions.
- Introduced 3D visualisation videos (using Infracore) as an effective demonstration of scheme proposals.
- Undertook multiple on-site visits to remote areas of the Scottish Highlands.
- Photography for live photosets that improved the design and planning process.
- Initiated the use of Power BI that greatly improved the management of data and statistics.
- Researched and presented new software that reduced time for both design and management procedures.

Elstead Lighting

Quality Assurance / Design Assistant

February 2015 - July 2016

Worked in both the quality assurance and design department for a decorative lighting company.

- Multi-departmental role identifying quality and design issues.
- Communicated with over 30 overseas Chinese suppliers to report and assist in fixing quality issues.
- Managed and assisted a team of product testers.
- Created an organisational structure to deal with certification, drawings, and documentation.
- Revised installation/assembly instructions for 30 new fittings.
- Helped customers over the phone, and dealt with technical queries.
- Created the entire product database for 3000+ products through Excel & Access.

Education

Bournemouth University | BA (Hons) Product Design, 1st Class

Alton College | BTEC Advanced Diploma in Engineering, 3 x Distinction* | Music Tech A Level

Other | CompTIA A+ Certified | DoE Gold

Skills

Design | AutoCAD | Inventor | Fusion 360 | Civil 3D | Infracore | Revit | SolidWorks | KeyShot | DFM | RC Detailing

Practical | Sketching | Model Making | Prototyping | Workshop/Machining Skills | Miniature Painting

Graphic | Photoshop | Illustrator | CorelDRAW | Corel Photo-Paint | Video Editing

Office/Other | Microsoft Office Suite | Power BI | Ableton Live | Basic German & Russian

Online Portfolio

www.timbland94.com | [linkedin.com/in/timbland94](https://www.linkedin.com/in/timbland94)