

# Bilal Minhas

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## PROFILE

Individual with engineering background who loves coding and is excited for the opportunity to use and enhance existing knowledge as well as learn new languages and frameworks. Self learnt HTML, CSS and Javascript while completing masters and already has knowledge and experience of C and MATLAB through engineering studies.

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## EDUCATION

**2018-19, Free Code Camp**, Javascript Algorithms And Data Structures Certification (300 hours) – Javascript.

**2018-19, Free Code Camp**, Responsive Web Design Certification (300 hours) – HTML and CSS.

**2018-19, University of Leeds**, MSc Engineering, Technology and Business Management, **Expected Merit**.

Relevant Modules: Programming: 78%.

**2015-18, University of Sheffield**, BEng Mechanical Engineering, 2:2.

**2013-15, Boston Grammar School**, A-Levels: Mathematics: A\*, Further Mathematics: A, Physics: B, Economics: C.

**2011-13, Boston Grammar School**, GCSEs: 3 A\*s, 7As, 1B (including English and Mathematics).

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## PROJECT EXPERIENCE

**September 2017- April 2018, Final Year Project – Dissertation on Condition Monitoring, Sheffield**

- Programmed an Arduino device to collect vibration data from a bicycle. Created programs and functions on MATLAB to analyze the data and diagnose damage on the bike. Produced a 40-page technical report looking at the use of condition monitoring for identifying mechanical damage in bikes.

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## ADDITIONAL EXPERIENCE

**October 2018, LUU JobLink (Leeds University Shift Work)**

- Shift work comprising of moving furniture; operating an event kiosk; and working as a car park marshall.

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## PROGRAMMING SKILLS

- Web development** – Proficient in HTML, CSS and Javascript. Basic knowledge Bootstrap, jQuery, Sass, React and Redux.
- Programming languages** – Knowledge and experience in C and MATLAB.
- Self-learning and continuous improvement** – Completing courses and projects on Free Code Camp and Code Academy.

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## TRANSFERABLE SKILLS

- Problem solving** – Excited by the opportunity to solve increasingly challenging problems.
- Fast learner** – Eager to increase knowledge and learn new skills.
- Knowledge and experience of engineering software** – Fluent, LabView, Solidworks, etc.
- Design skills** – Extensive experience in academic design teams. Good understanding of the design process.
- Laboratory skills** – Experienced in data collection, data analysis and experimental procedures.

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## ACHIEVEMENTS AND INTERESTS

- Brazilian Jiu-Jitsu – Competing in Empire Grappling Yorkshire Summer Open.
- Powerlifting – Placed 4<sup>th</sup> in Titanium Strength Gym Powerlifting Meet 2017.

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## Links

- Freecodecamp**: <https://www.freecodecamp.org/bilalm354>
  - Github**: <https://github.com/Bilalm354/>
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