Bilal Minhas

Email: bilalm354@gmail.com
Website: https://www.bilalminhas.com

Developer

Two years experience with TypeScript, JavaScript, React, React Native, ThreeJS, WebGL, Node, Express, Jasmine, Webpack, Unity, C#, Git and Python.

Interested in developing software involving Maths and 3D.

Professional Experience

Developer - Wren Kitchens   **April 2020 - Present**
Developed new features, tactical improvements and fixed bugs for the HTML5 Canvas kitchen planner. Built data-driven components using React, CSS and Typescript. Worked closely with the 3D team on a Unity application for rendering kitchen plans.

Worked in an agile team, attended daily standups, participated in backlogs with the business and took part in technical discussions with developers.

Junior Developer - Wren Kitchens   **February 2020 - April 2020**

Volunteer Web Designer and Developer - Cancer Support Yorkshire   **December 2019 - February 2020**
Converted designs into WordPress pages as well as helped with miscellaneous IT tasks.

Portfolio

Personal Projects - https://www.github.com/bilalm354/   **December 2019 - Present**
3D kart racing game (React, Typescript, JavaScript, ThreeJS, WebGL, Express, Node), Todo List (Typescript, React, Express, Node), Countdown and stopwatch (React), Fully responsive web pages (HTML, CSS, SASS, JavaScript), 2D games (HTML, CSS, JavaScript), Responsive designs (Sketch and Adobe XD), Automation Of Tasks (Python).

Dissertation on Condition Monitoring - University of Sheffield   **September 2017 - April 2018**
Programmed an Arduino device to collect vibration data from a bicycle. Created programs and functions on MATLAB to analyse the data and diagnose damage on the bike. Produced a technical report looking at the use of condition monitoring for identifying mechanical damage in bikes.

Education

Full Stack Software Engineer - FreeCodeCamp   **March 2019 - December 2019**
Responsive Web Design, JavaScript Algorithms and Data Structures, Front End Libraries, Quality Assurance and Testing, APIs and Microservices, Scientific Computing with Python, Data Analysis with Python and Machine Learning with Python.

Engineering, Technology and Business Management (MSc) - University of Leeds: Merit   **October 2018 - November 2019**
Programming, E-Health and Medical Devices, Electric Power Generation and Distribution, Managing for Innovation, Effective Decision Making, Strategic Management.

Mechanical Engineering (BEng) - University of Sheffield: 2:2   **September 2015 - July 2018**
Mathematics, ThermoDynamics, Computational Numerical Methods, MATLAB, C, Computer-Aided Design, Computational Fluid Dynamics, Aero Propulsion, Materials, Manufacturing.