Vincenzo "Vinny" Mann - MERN Full-stack Developer

I have graduated with a First-Class in BEng Computer Systems Engineering and I have 1 year of industry experience. My strong communication skills and positive, determined and open-minded attitude make me a valuable team player. I work diligently, methodically and efficiently in any task and I'm always willing to learn new concepts, skills or frameworks that can strengthen my knowledge, code quality and task delivery. I have a keen eye for detail and I love using my creativity to design solutions and contribute ideas.

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| |  |  | | --- | --- | |  | **Software Projects (Go to my** [**website**](https://vincenzo-mann-portfolio.herokuapp.com) **for more)** |   **Raspberry Pi Smart Home PWA** (Dissertation project)   * IoT home automation system real-time progressive web app * Front-end: JavaScript, HTML, CSS, React, Redux * Back-end: Firebase (Firestore, Real-time Database, Authentication, Hosting), Python * User controls and automates system using PWA interface which communicates via Firebase to a Raspberry Pi in real-time to sensors and actuators   **Ball Balance Game**   * Real-time embedded system on an Arm Cortex-M7 board. UI and hardware logic written in C * A gyro/accelerometer controller controls three servo motors to make the platform tilt accordingly and move the ball atop   **SD Card Programmer Device**   * Raspberry Pi programmed in C++ and Bash, utilising Yocto and Qt for the OS and UI * Writes a specified image program to an SD Card efficiently for mass production  |  |  | | --- | --- | |  | **Work History** |  |  |  |  | | --- | --- | --- | | **2017.09 – 2018.08** |  | Software Engineer Intern  Noritake-Itron UK, Great Yarmouth   * My in-house applications were employed to improve workforce productivity * I launched a new company research project to showcase their HMI TFT touch screen capability * I prevented company mishaps by error-checking important code |  |  |  |  | | --- | --- | --- | | **2015.10 – 2018.08** |  | RAF Reserve Officer Cadet  Cambridge University Air Squadron, RAF, Cambridge   * I organised and managed logistics for expeditions by liaising with other squadrons * I improved personal development by completing mentally and physically demanding leadership and teamwork exercises * I overcame comfort zone boundaries in exhilarating Adventure Training expeditions |  |  |  |  | | --- | --- | --- | | **2012.11 – 2014.01** |  | Sales Assistant/ Saturday Staff  Pauls Discount, Southend |  |  |  | | --- | --- | |  | **Education** |  |  |  |  | | --- | --- | --- | | **2015.09 – 2019.06** |  | Bachelor of Engineering (First-Class):  Computer Systems Engineering with Year in Industry  University of East Anglia - Norwich   * Modules: OOP, Software Engineering, Cyber Security, Web-based Programming, Networks, Database Systems * Elected as President and formerly Captain for Ultimate Frisbee sports club |  |  |  |  | | --- | --- | --- | | **2013.01 – 2015.01** |  | A-levels  SEEVIC College - Thundersley   * ABC: Biology, I.T, Mathematics |  |  |  |  | | --- | --- | --- | | **2008.09 – 2013.07** |  | GCSEs  Chase High School - Southend   * Four A's including Maths, Four B's * Three BTECs including I.T | |  | |  |  | | --- | --- | |  | **Contact** |   Address  11C Handforth Road,  London, SW9 0LL  Phone  07530700160  E-mail  [vincenzomann@outlook.com](mailto:vincenzomann@outlook.com)  Website  <https://vincenzo-mann-portfolio.herokuapp.com>  LinkedIn  <https://www.linkedin.com/in/vincenzo-mann>  GitHub  <https://github.com/vincenzomann>   |  |  | | --- | --- | |  | **Tech Stack** |  |  |  | | --- | --- | | **JavaScript**  **HTML5**  **CSS3**  **React**  **Node.js**  **Express.js** | **MongoDB**  **Redux**  **Mongoose**  **Firebase**  **Git** |  |  |  | | --- | --- | |  | **Certificates** |   Node.js, MongoDB and Express - <https://codewithmosh.com/p/the-complete-node-js-course>  React - <https://codewithmosh.com/p/mastering-react>   |  |  | | --- | --- | |  | **Skills** |   TDD  Agile development  Teamwork  Problem solving  Written and verbal communication   |  |  | | --- | --- | |  | **Interests** |   Table-top role-playing games  Ultimate Frisbee  Playing guitar  Outdoor exploration (Bronze DofE team leader) |