COMPANY   April 16, 2018

Dear Sir or Madam,

I am pleased to present my application for a Front End Developer role at COMPANY.

I am a Manchester based Front-End Developer with a history in Data Science, Digital Marketing and Digital Art. I am now aspiring to further my skills as a Front-End Developer. I hope to one day lead a team with my expertise.

I am a strong believer in AGILE methodologies, while appreciating that other methods have their place, and have used SCRUM and Kanban professionally. I hold a firm belief that User Experience and Data Science are the key to the future of success in the technology sector and am always keen to bring these aspects into my development when appropriate. I am confident in running Retrospectives, Stand-ups and reflective meetings as I believe these are vital for improving team happiness and love opportunities to apply these to any team that will let me. I have also assisted in the Open project which encourages people to talk more openly about their emotions in the workplace.

I have organized events of many scale from monthly Digital Art and Data Science meet-ups to PyData Manchester and other larger scale events with over 500 attendees. I am always eager to take part in events such as MancJS and MancML and bring any learnings back into the business where possible. I have given a handful of talks such as:
- CSS as a digital art form
- How to Fake it until you make it, a Digital Marketing Case Study
- AHP, a customer-first search

I see programming problems like crosswords in the back of a newspaper, I enjoy the fun puzzles they bring in my day-to-day life and occasionally participate in Kaggle competitions to assess my skills. I am always looking for smarter ways to work and have welcomed Less or Sass as replacements for CSS and am currently enjoying the turbulent time the Front-end frameworks are experiencing, personally enjoying React as I have a strong Node background. I look forward to further utilizing my skills in JS and python and am keen to improve my DevOps skills.

Thank you very much for your time and I am thankful for the opportunity of being considered for this position.

Hope to hear from you soon.

Sincerely yours,

Joseph Allen

Attached: curriculum vitæ

Education

2013–2017 **Bachelor of Computer Science and Mathematics with Industrial Experience**, *The University of Manchester*, BA (Hons) 2:1.

Experience

Sep 2017– **Data Scientist**, *LateRooms.com*, Manchester.
Apr 2018 Working on the Data Science Team has given me an opportunity to add an Agile process in an environment that welcomes it.
- Hotel Rank Algorithm, a system which generates the rankings of hotels. I implemented multiprocessing to reduce the generation time and created a dashboard in Google Data Studio to monitor parity
- Analytic Hierarchy Process based customer-first search for the new business platform. And gave a corresponding brown bag
- Implemented a feature store which lets the Analytics team create higher-level features, and backfills up to two years. Using Docker and cron jobs this stays up to date
- Creation of a basic Chatbot using the Watson API to deal with FAQs

Dec 2015 – **UI Developer**, *LateRooms.com*, Manchester.
Sep 2017 Front-End Developer mainly focusing on the daily additions to the website using HTML,CSS,JS along with some larger deliverables such as:
- Co-brands generator, an npm package which allows the creation of a new co-brand from a handful of inputs, this allowed me to utilize Sass to quickly generate a re-styling of the entire website.
- Geoshapes dashboard, worked closely with the Data Science team to create a React dashboard which would allow them to quickly track the progress of their geoshape experiments.
- SEO API, Built a CRUD API to update the SEO content on each page of the website using express.
- New platform, currently working on creating a new platform to run many brand off of simultaneously using React with styled components. This is an exciting new challenge for me and I am happy to be part of a large project from its conception.

Skills

Methodology Kanban, Scrum, Agile, Waterfall
Frameworks React, Meteor
Programming HTML, CSS, Javascript, BEM, Sass, Node, Git, GitHub, MySQL, Visual Basic C#, C++, Python, R, LaTeX

Projects

AHP Train Journey UI.
Worked with a PhD student at the University of Manchester to create a React UI to allow users to perform Analytical Hierarchy Process on train journeys.

Change Detection in Live Video.
Allows artists to experiment with various forms of change detection and set the layers to their choice of color, image, video, coded example or live camera.

Extended Essay, *"To what extent is there a mathematical equation for beauty?"*.
Independent research into the golden ratio and its occurrences in nature and used analytical skills to extrapolate information from a survey about perceived beauty.