Harvey Reynier
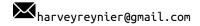
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Motivated and product-minded software engineer. Developed several applications, including a job board app to simplify the job search process for graduates. Seeking to ignite career working with an exciting company to build innovative products that use modern technologies to solve complex real-world problems.

Education

University College London Sep 2019 Sep 2020
MSc Urban Analytics *Distinction*
- o Achieved distinction grade across relevant computer science and data science modules including Spatial Data Capture, Storage and Analysis, and Dissertation.

University of Sheffield Sep 2016 Jun 2019
BEng Civil Engineering *2.1*
- o Achieved distinction grade in the 'Global Engineering Challenge' hackathons, leading interdisciplinary STEM teams to develop solutions such as sustainable smart housing to combat climate change.

Personal Software Projects

Personal Website: **harveyreynier.com** *(For additional projects and information)*

Job Board App **Website** **GitHub**
- o Built a web app using React to aggregate entry-level tech jobs from several external job sites.
- o Implemented a filtering algorithm that simplifies the job search process for tech graduates.
- o Designed and automated a RESTful API with Cron, leveraging third-party APIs to keep the app updated.
- o **Utilised:** JavaScript, React, Node, Cron, Express, Redis, Material-UI, and Google Cloud.

VR Urban Data Explorer **GitHub**
- o Built a web app using A-Frame and THREE.js to visualise complex urban data in VR.
- o Designed a custom UI and visualisation system for VR to encourage users to explore the data intuitively.
- o Inspired from struggling to explore multiple datasets within traditional 2D and 3D environments.
- o **Utilised:** A-Frame, THREE.js, JavaScript, Mapbox, Express, AJAX, HTML+CSS, Git, UI Design, VR.

Predictive Analytics App **GitHub**
- o Built an interactive app using Google Maps and Python to predict the future ecological impact of trees within London.
- o Integrated the Google Maps Platform to create several interactive map-based visualisations.
- o Incorporated persistent storage through MySQL database to store analysis results.
- o **Utilised:** Python, Google Maps Platform, JavaScript, jQuery, Express, MySQL, R, RESTful backend

Work Experience

Trainee Lighting Technician | Freelance Aug 2016 – Sep 2019
- o Designed and deployed lighting rigs to create professional environments for several major blockbuster movies and productions.
- o Coordinated large and complex projects through communication with several departments in an agile environment.

Bartender | Host Staffing Jul 2018 – Aug 2019
- o Improved sales in VIP bar by 20% at Lovebox Festival 2018 by leading stock take to inform our front-of-house sales strategy and implementing a new task rota.strategy.
- o Worked effectively in a dynamic and customer-driven team across several distinct locations.

Sales-floor Assistant | Marks and Spencer's Dec 2016, Dec 2017
- o Boosted sales and deliveries of Christmas groceries resulting in top sales across UK stores by helping to organise and implement a streamlined in-store delivery service.
- o Managed multiple priorities including stock control, customer service and product orders during the busy holiday season.

Software Skills

(Proficient): JavaScript (ES6), Python, React, Node, HTML+CSS, Git, Express

(Familiar): SQL, Object-Oriented Programming, Cloud Platforms, Firebase, THREE.js, Unix, Matlab, R, MongoDB

Interests

- o Technology, Skiing, Reading, Travelling, Electronic Music, Politics, Coffee

References available upon request.