Pedestrian Modelling Opportunity

About Momentum

Momentum is an integrated transport consultancy, based in London and with offices in Edinburgh and Montreal. Our three core specialisms of planning, analytics & modelling and engineering are bound together by our shared vision to improve the environments we live, work and play in.

We're at the forefront of fighting climate change and are proud of the way we work with our clients every day to push sustainability boundaries and challenge ourselves to do things better. As part of all the projects we work on, we look at how to reduce and minimise the predicted impacts from the development and project. Every day our work ensures more people can travel sustainably, while also creating safe, liveable, well-planned and equitable places and neighbourhoods.

We work on some of the most exciting and challenging development planning and infrastructure projects in London and cities around the world – from large commercial skyscrapers to sports stadiums and major events. We are highly regarded by our clients, who include major developers, architects, contractors and local authorities.

www.momentum-transport.com/graduates

Our opportunity:

We're looking for a talented candidate to join our modelling team on a full-time, permanent basis, based in our central-London office.

From day 1 you'll undertake modelling work using specialist modelling/micro-simulation software and Excel, the results of which will be used to support design work on high-profile sports stadia, public realm projects and transport infrastructure projects.

As one of our graduates you will be given training – but also the responsibility and opportunities to work on iconic projects across London and interesting schemes around the world.

Our team:

We're responsible for designing and building cities and towns for people – regardless of their age, physical ability or disability, gender or sexual orientation. We can only do this successfully if our team is made up of people from diverse backgrounds.

Our culture is unique to us. We're diverse and inclusive, believe in our team, support each other in challenging times and work together to find better ways of doing things. We have an open, psychologically-safe culture, operate within a strong ethical code and live by our ESG (Environmental, Social and Governance) principles and CSR responsibilities.

We are the proud holders of the CIHT 'team of the year' award and have Great Places to Work accreditation.

Who you are:

You'll be a self starter, love working in a hardworking team and have a passion for sustainable transport solutions for the future city. You'll be forward thinking and have ideas about the challenges of the urban built environment and how to put people at the centre of our work.

Specific skills and experience:

- **Strong attention to detail and be driven to focus on and follow through with tasks**
- **Strong written and verbal communication skills, including excellent report writing and presentation skills**
- **A good understanding and ability to express principles of pedestrian modelling with the knowledge of industry standards and guidelines**
- **Excellent numeracy and analysis skills**
- **Comfortable working on large data sets**
- **Experience of using Microsoft Office, in particular Word and Excel**
- **A recently completed relevant degree (eg geography, transport planning, statistics, civil engineering)**
- **Good problem-solving skills**
- **Specific experience of any of the following packages: Legion, Mass Motion, GIS, Viswalk, Linsig, Junction 10 and VISSIM.**
- **1 + years experience in pedestrian simulation modelling and/or traffic simulation**

Desirable skills and experience:

- **Experience in scripting/coding eg Python, R, C++**
- **Skills in using AutoCAD or any other design software**

"One of my favourite things about working at Momentum is having opportunities to develop innovative problem-solving techniques in our data analysis and pedestrian modelling work. It feels good when my skills and problem solving can help our clients. Also, working on such high-profile projects with lots of responsibility adds a lot of excitement." **William Heubner, Principal Consultant (graduate programme 2017)**

"Everyone seems to get on and like each other! That might sound strange, but I've never worked for a company where I've genuinely enjoyed working with everyone! It's definitely unique and a huge plus." **Feedback in Great Places to Work survey 2022.**

What we offer:

A vibrant, dynamic and collaborative working environment, working alongside some of the industry's best professionals. You'll have the freedom to get involved in a range of projects and to have a say in looking for and winning new projects to expand the business further. Based in our central-London head office you'll receive a competitive remuneration and benefits package, including bonuses. You'll also get targeted and specialised training and professional development, access to Women in Transport membership (if applicable), internal mentoring, in-house massages and weekly yoga sessions.

Next steps:

If you'd like to join us in 2022, please email your CV and covering letter explaining why you'd be a great member of our team to graduaterecruitment@momentum-transport.com by 19th April 2022. Please use 'Application for modelling opportunity' in the subject line.

Applicants of interest will be asked to complete a short excel spreadsheet and written assessment task, to be undertaken over an agreed 24-hour period. Following successful completion of the assessment candidates will be invited to interview.

Momentum Transport Consultancy is an equal opportunities employer.

In applying to Momentum you will be supplying us with personal data contained within your CV and cover letter. This could include your name, address, email, previous work details etc. In line with our privacy policy (which we hold on our company website), we ensure that your data is held securely. We retain applicants' details for one year following the end of the recruitment campaign. Please note this is a London-based opportunity. www.momentum-transport.com/graduates

Graduate Opportunity

momentum
transport consultancy

Transport Planning

Exceptional graduates are the lifeblood of our business. Apply to join our graduate programme which balances on-the-job training and real project work from day one, with structured technical, behavioural and career development.

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Our opportunity:

We're looking for talented graduates to join our planning team on a full-time, permanent basis, based in our central-London office.

From day 1 you'll work on projects across the transport planning environment, including research, analysis, forecasting, contributions to proposals and reports.

As one of our graduates you will be given training – but also the responsibility and opportunities to work on iconic projects across London and interesting schemes around the world.

Our team:

We're responsible for designing and building cities and towns for people – regardless of their age, physical ability or disability, gender or sexual orientation. We can only do this successfully if our team is made up of people from diverse backgrounds.

Our culture is unique to us. We're diverse and inclusive, believe in our team, support each other in challenging times and work together to find better ways of doing things. We have an open, psychologically-safe culture, operate within a strong ethical code and live by our ESG (Environmental, Social and Governance) principles and CSR responsibilities.

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Who you are:

You'll be a self starter, love working in a hardworking team and have a passion for sustainable transport solutions for the future city. You'll be forward thinking and have ideas about the challenges of the urban built environment and how to put people at the centre of our work.

Specific skills and experience:

• Strong written and verbal communication skills
• Strong numeracy and analysis skills
• Experience of using Microsoft Office, in particular Word and Excel
• A recently completed relevant degree (eg geography, planning and urbanism studies, mathematics)
• Comfortable working on large data sets

What we offer:

A vibrant, dynamic and collaborative working environment, working alongside some of the industry's best professionals. You'll have the freedom to get involved in a range of projects and to have a say in looking for and winning new projects to expand the business further. Based in our central-London head office you'll receive a competitive remuneration and benefits package, including bonuses. You'll also get targeted and specialised training and professional development, access to Women in Transport membership (if applicable), internal mentoring, in-house massages and weekly yoga sessions.

Next steps:

If you'd like to join us in 2022, please email your CV and covering letter explaining why you'd be a great member of our team to graduaterecruitment@momentum-transport.com by 19 April 2022. Please use 'Application for graduate transport planning opportunity' in the subject line.

Applicants of interest will be asked to complete a short excel spreadsheet and written assessment task, to be undertaken over an agreed 24-hour period. Following successful completion of the assessment candidates will be invited to interview.

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www.momentum-transport.com/graduates

"One of the highlights of working at Momentum so far has been being involved in the Museum of London planning application. Being involved in such a big project and having worked with a variety of different stakeholders has been something that I've really enjoyed." **Emma Lally, Senior Consultant (graduate programme 2019)**

"Everyone seems to get on and like each other! That might sound strange, but I've never worked for a company where I've genuinely enjoyed working with everyone! It's definitely unique and a huge plus." **Feedback in Great Places to Work survey 2022.**

"The highlight of working at Momentum so far for me has been the variety of projects, including commercial buildings, public sector projects, looking at active travel and micromobility for towns and cities, and research – there's just so much to get involved with." **Katie Lewin, Assistant Consultant (graduate programme 2021)**

Graduate Opportunity

Transport Engineering

Exceptional graduates are the lifeblood of our business. Apply to join our graduate programme which balances on-the-job training and real project work from day one, with structured technical, behavioural and career development.

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Momentum's engineers take the lead in all aspects of transport infrastructure and public realm design and construction – we support our clients across the project lifecycle, from ideas generation at inception and planning stages, through to detailed design and working on site overseeing construction.

Our opportunity:

We're looking for talented graduates to join our engineering team on a full-time, permanent basis, based in our central-London office.
From day 1 you'll undertake transport infrastructure design work using computer-aided design (CAD) software and other design tools which contributes to the design and delivery of Momentum's wide range of projects. These will include highways and traffic engineering, street design, masterplans, servicing and construction logistics.
As one of our graduates you will be given the necessary training alongside the responsibility and opportunities to work on iconic projects across London and interesting schemes around the world.

Our team:

We're responsible for designing and building cities and towns for people – regardless of their age, physical ability or disability, gender or sexual orientation. We can only do this successfully if our team is made up of people from diverse backgrounds.

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![momentum transport consultancy logo]

Who you are:

You'll be a self starter, love working in a hardworking team and have a passion for sustainable transport solutions for the future city, and transport and highway infrastructure engineering and its challenges. You'll be forward thinking and have ideas about the challenges of the urban built environment and how to put people at the centre of our work. You will provide support to a full range of transport infrastructure and public realm projects.

Specific skills and experience:

- **Strong written and verbal communication skills**
- **Strong numeracy and analysis skills**
- **Strong analytical and critical design analysis skills**
- **Experience of using Microsoft Office**
- **A recently completed civil engineering degree, or similar technical engineering discipline**

Desirable skills and experience:

- **Experience of using engineering software such as AutoCAD**

What we offer:

A vibrant, dynamic and collaborative working environment, working alongside some of the industry's best professionals. You'll have the freedom to get involved in a range of projects and to have a say in looking for and winning new projects to expand the business further. Based in our central-London head office you'll receive a competitive remuneration and benefits package, including bonuses. You'll also get targeted and specialised training and professional development, access to Women in Transport and Women in Engineering membership (if applicable), paid subscription to a professional institution (ie ICE, IHT etc), internal mentoring, in-house massages and weekly yoga sessions.

Next steps:

If you'd like to join us in 2022, please email your CV and covering letter explaining why you'd be a great member of our team to graduaterecruitment@momentum-transport.com by 19 April 2022. Please use 'Application for graduate engineering opportunity' in the subject line.

Applicants of interest will be asked to complete a short engineering assessment task to be undertaken over an agreed 24-hour period. Following successful completion of the assessment candidates will be invited to interview.

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"Everyone's very helpful. When I started there were lots of things I didn't know how to do. I asked, and everyone has been super helpful, I learn a lot every day. Once in a project I had a different opinion to my senior. He really appreciated my input and we discussed my idea together. The seniors appreciate what we think." **Louis Tai, Assistant Engineer (graduate programme 2021)**

"Come prepared to join a very vibrant, very committed team of people." **Onyeka Okeke, Engineer (graduate programme 2018)**

"Everyone seems to get on and like each other! That might sound strange, but I've never worked for a company where I've genuinely enjoyed working with everyone! It's definitely unique and a huge plus." **Feedback in Great Places to Work survey 2022.**