

# StudentHack

## StudentHack IV *Participant's Guide*

### Introduction

Welcome to StudentHack! This should be a reference guide for you over our hackathon this weekend. Our Twitter handle is @StudentHack and the hashtags that we'll be using are #StudentHackIV, please feel free to break Twitter

### Code of Conduct

By attending StudentHack you have agreed to [MLH Code of Conduct](#). We aim to make this a fun and enjoyable weekend for everyone. We have an absolute zero-tolerance policy on racism, sexism, abuse or anything inappropriate.

### Contact us

If at anytime during the event you feel uncomfortable please contact Sami: 07592929837, [sami@greatunihack.com](mailto:sami@greatunihack.com) (StudentHack team)  
Ben: 07664584141 - Josh: 07545223646 (StudentHack Lead volunteers)  
Cornelia (StudentHack Code of Conduct enforcer)  
Tim: 020 3322 7018, [tim@mlh.io](mailto:tim@mlh.io) (Major League Hacking EU commissioner)  
Or any member of the volunteer team (wearing green shirts)

### Slack / Communications

Everyone will be available on Slack, a fantastic online communication tool. You should have already received an invite, and if you haven't, please find an organiser or volunteer as soon as possible!

We highly recommend you to get slack [app downloaded](#)

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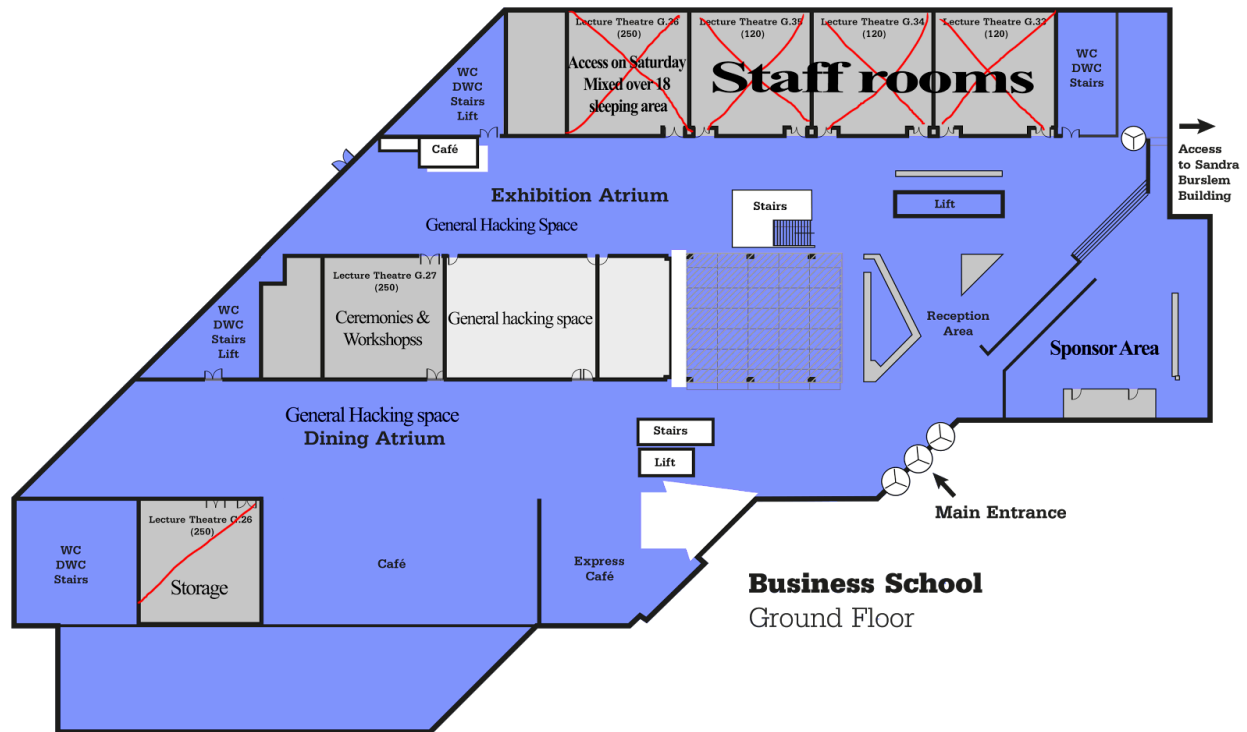
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## Floor plan



Ground floor: the general hacking space.

Sponsor area: all sponsors booth will be stationed there, if you have a question that is best place to find the sponsor at (or the slack channels)

Dining atrium: we will serve food here all the time, feel free to go down here to eat or drink (*no alcohol please*)

G.27: Here where all workshop, opening and closing ceremony will take place.

The whole of ground floor is a general hacking space.

G.37: a mix gender over 18 sleeping room, only available after Saturday (technically friday 11:59pm +1 minute)

- 2 Showers are available on each of WC area (totalling 6 female, 6 male), depending on how busy they get we will run a queue type of system!
- Soldering board are stationed next to main entrance bring your hardware projects here!



## Floor 1: sleeping and breakout area

Contemplation room: is a quiet (not sleeping) area where no one is allowed to talk, use this as a religious facility.

Chill area: this where Fun time with Seb, Music, Werewolf, Spyfall, Keep talking and nobody explode, and various games will take place 24/7 (or 40/3 in our case). **Access to this room is strictly for over 18 years old between 11pm and 7am!**

C1.25: A sleeping room for over 18 year old male attendee

C1.24: A sleeping room for over 18 year old female attendee

C1.23: A sleeping room for under 18 year old male attendee

C1.22: A sleeping room for under 18 year old female attendee

## *Respect the Venue*

Please respect Manchester Metropolitan and their venue that they have kindly let us use for StudentHack.

- Do not write on the floors, windows, or roofs
- Please keep the toilets and communal areas tidy
- Respect the age and gender separated sleeping arrangement

## Entering/leaving the building

You are free to leave at any time during the day.

***Do NOT lose your wristband given at registration or you will not be allowed back in the venue.***

Wristbands colour guide:

**Green:** Volunteers and organisers

**Yellow:** Judges and sponsors

**Red:** Under 18 attendee

**Blue:** Over 18 attendee

**Green + red:** volunteers and organisers who are dbs checked

**Yellow + red:** sponsors and judges who are dbs checked

## Parking

- Cars: we currently have a limited number of car park available, if you aren't a Manchester Metropolitan Student we can't facilitate parking to you, there are various NCPs around that are cheap (yay Manchester \o/) or you can always park at one of the side alley of Manchester (of course we aren't responsible for your car)
- Bikes: There are various bikes sheds around the business school, enough to park 60 bikes, additional 30 parking space are next to the Computing department, 15 in front of tesco. Bring your bike and feel safe ;) Manchester Metropolitan students have access to the locked bike shed too! so remember to bring your student ID with you!

## Challenges

- **1ST place** - x4 tickets to [BR2016](#) (Steve Wozinak \o/), MLH Medals, Sunfounder Kits, and cool looking exclusive student Hacker beanies!
- **2nd place** - MLH medals, and super cool Hacker beanies
- **Best under 18 team** - MLH medals and super cool Hacker beanies
- **CDL challenge** Promote fun, participation, and well beings in your local community using National Accident Open Data - x4 Moto 360 2nd gen watches
- **Best use of Yelp API to help the local community** - x4 Leap motions
- **Telcom challenge** - TBA
- **TheHutGroup challenge for the best fitness & health application** - x4 Drone quadcopter Pilot 360 Content
- **Rise challenge: Digitise our space** - x4 BB-8 Droids. [More information](#)
- **Bloomberg challenge** - TBA

- **Bloomberg hackerrank challenge** - TBA
- **Codethink** - TBA
- **Best use of Twilio API** - x4 Raspberry Pi 3 Starter Kit
- **Best use of AmazonWebServices** - x4 1tb harddrive
- **Best domain from domain.com** - x4 domain swag bag
- **Best Use of Beacons** - x4 Beacons

## Workshops & talks

Reserved lecture theaters for the following workshops, highly recommend it

- Fri 7:30pm - Lean workflow with CDL
- Fri 8:00pm - iOS development with Yelp (Mark Larah)
- Fri 08:30pm - Machine learning with TheHutGroup
- Sat 11:00am - Nerf gun modding with Joe Nash (Over 18 strictly)
- Sat xx:xxpm - The moonwalk workshop with Mark Larah

## Sleeping Arrangements

There are age and gender separated rooms (under 18 and over 18\female - male\mixed over 18)

We have tons of airbeds and beanbags available on the day. Feel free to bring your sleeping equipment if you feel the need to do so!

## Schedule

### Day 1 - Friday 4th March

17:00	Doors open for attendees
18:00	Opening ceremony @G.27
19:00	Hacking Begins WOOT WOOT
19:00	Team building session @G.27
19:30	HOT DINNER - Syrian dinner @Cafe arae
19:30	CDL Lean workflow workshop @G.27
20:00 - 20:30	iOS development with Yelp (Mark Larah) @G.27
20:30 - 21:00	Machine learning by TheHutGroup @G.27
22:00-8:00	Opening rooms for sleeping (age and gender separated) @G.26, 1.25, 1.24, 1.23, 1.22}

23:35	<a href="#">SpaceX</a> launch view party @G.35!
23:00	Syrian delights

## Day 2 - Saturday 5th March

7:00	Breakfast @Cafe area
9:00-10:00	5 minute Lightning talks by anyone! @G.27
11:00	Modding nerf gun workshop by Joe Nash @Reception area
13:00	Lunch - hot buffet @Cafe area
16:00	Afternoon tea @Cafe Area
18:00	Dinner - hot curry @Cafe Area
19:00	Spyfall with Joe Nash @Chill Zone
22:00-8:00	Opening rooms for sleeping @{G.26, 1.25, 1.24, 1.23, 1.22}
23:00	PIZZZAAA more and better

## Day 3 - Sunday 6th March

03:00	FUN TIME WITH SEB
07:00	Breakfast
7:00-9:00	All mentors/volunteers in one area
09:00	Hacking ends
09:00 - 9:30	Tea, volunteers prepare demo tables
9:30-12:30	Science fair type of judging
12:00	Lunch (Gyros, falafel, halloumi)
12:30-13:00	Choosing top 10 and challenge winners
13:00-13:45	Top 10 presentations (3 minutes each)
14:00	Winners announced, closing ceremony.

15:00	StudentHack ends
17:00	Coaches leave Manchester (we could possibly call them earlier if we finish early)
17:01	Preparation for StudentHack V

## Wifi

We have Eduroam and MMU guest university wifi available. Feel free to use either. If you need help connecting to any of the networks please contact any of our team members!

Ask any of the volunteers for guest accounts if you have lost yours!

## Food

We'll be providing food throughout the weekend, along with plenty of snacks and drinks to help boost your energy.

If you have any special dietary requirements please contact either Sami, Sven or a member of the volunteer team.

Meal times:

Friday - 7:30pm / 12:00am

Saturday - 7:00am / 1:00 pm / 6:00pm

Sunday - 12:00am / 7:00am / 12:00pm.

If you are still feeling hungry please contact any of the volunteers immediately, we are doing this so you enjoy your weekend, please let us know if we can help in anyway.

## Food Menu

### Friday

#### Dinner

- Meat options:
  - x250 Kibbeh ([what?](#)) - contains **wheat**
  - x250 Lahmacun ([WHAT?](#))
  - 15kg meat + 7kg rice of Kabsa ([Kabsa?](#))
  -
- Vegetarian options:
  - x300 Spinach Puff Pastry -contains **egg, milk**
  - x300 Cheese Puff Pastry - contains **milk**



- 25kg of Yalanji (WHAHTHATH? couldn't even find it on wiki) - Stuffed vine leaves with rice, a bit limeish
- Baba ghanoush: ([ERM WTH SAMI?](#)) - **Eggplant**
- Sides:
  - x300 Salad
  - Yoghurt

#### Midnight delights

- Cheese [Kanafeh](#) - **Cheese, nuts** (there is an option without nuts ask for it!),
- Cream Kanafeh - **Milk, nuts**
- [Warbat with cream](#) - **Milk, nuts, cream**

For allergies:

- Doughnut - **Milk, cream**
- Fruits (YES THOSE EXIST TOO)
- Gluten free fruit biscuits and stuff \o/

## **Saturday**

#### Breakfast

- Various flavour of cereal and milk
- Choco crepe
- Sliced bread
- Sliced cheese
- Spreadable cheese
- Spreadable butter
- Spreadable chocolate
- Strawberries
- Croissants (vanilla/chocolate)
- Sweet yogurt
- Pudding

#### Lunch

Open buffet from MMU catering. Extremely flexible and they cook it on spot.

#### Dinner

- Desi Classic Dishes x 110 people
  - x60 Chicken Karahi Curry
  - x50 Keema Potatoes Curry
    - accompanied with x30 Pilau Rice
  - x80 Naan bread

- Naan Continental Dishes x 50 people
  - x20 Keema Pasta Bake
  - x20 Spicy Shredded Chicken Burgers
  - x10 Chicken Nambali - may contain milk
- Vegetarian Dishes x 90 people
  - x40 Spinach and Potato Curry
  - x50 Daal accompanied with - **may contain egg**
    - x50 Pilau Rice
    - x40 Naan

#### Sides:

- Salad
- Yogurt

#### Midnight pizza

Menu from [lovepizza](#) 15" of the following

- Meat options:
  - x40 Double trouble pepperonis
  - x20 BBQ chicken
  - x30 Meat feast
  - x20 Big steak and cheese
- Vegetarian
  - x25 The veggie's
  - x20 The zeus

#### Sunday

##### Breakfast

- Various flavour of cereal and milk
- Choco crepe
- Sliced bread
- Sliced cheese
- Spreadable cheese
- Spreadable butter
- Spreadable chocolate
- Strawberries
- Croissants (vanilla/chocolate)
- Sweet yogurt

##### Lunch

- Meat options:
  - x150 Gyros pitta - may contain **milk**
- Vegetarian options:

- x50 falafel pitta -
- x50 halloumi pitta - contains **Milk**

## Notes

- All **meat** provided **is halal** unless stated otherwise.
- There are **plenty of vegetarian options and gluten free not in the menu** if you need something specific speak with Sven or Sami!
- **Loads of fruits and snacks** available throughout the weekend!
- Hot drinks, coffee and tea are in the cafe area (almost wouldn't have guessed)

## Judging

### Submitting your Hack

Hack submissions will be handled using <http://studenthackiv.devpost.com/>

- Hacking starts on Friday at 7pm and ends on Sunday at 9am (yeap 38 hours ^\_ ^)
- Signup to Devpost + submit your hack, if you need help please ask any of the volunteers or mentors!
- If are targeting any of the challenges please specify so in your submission, e.g. "CDL challenge"
- Science fair commences from 9am until 12pm! afterward lunch will be served while our judges work hard to select the top 10 teams!
- Even if you are not in the top 10 you are still eligible to win prizes from other categories.

### Science Fair

The science fair style demos will commence on Sunday 9am - don't hide in the corners, we would love to see what you have built and we hope you make it into the finals! aim to have a rota in your team so you get to walk around and see other hacks that were built over the weekend as well! that is a huge part of the fun

### Judging Criteria

What we'll be judging you on during the science fair demos:

- Hack name (5%): is it expressive? catchy? funny? bring the life of your hack through its name.
- Hack intent (20%): an idea with good intention? useful?
- Hack execution (50%): design, functionality,

- Secret sauce (25%): our judges will have complete freedom on how to decide on this.

At 12pm, lunch is served and science fair is over. You'll know by 12.30pm if you have made it into the finals of StudentHack!

## Judges

[Craig Dean](#): Chief Executive of Web Applications. Main judge of Hack Manchester and GreatUniHack.

[Jessica Rose](#): Founder of Open Code and works with access to open technical education and digital spaces. Developer relation @DreamFactory.

[Dr Darren Dancey](#): Head of computer science and information systems at Manchester Metropolitan University.

CDL:

Secret judge

## Finals

At 1pm, we have an introduction of the finals. You will then have 5 minutes to go on stage to present your hack to our attendees.

The finals are only to win the grand prize of the StudentHack top 3 teams. You can still win any other prize regardless of being in the finals or not - we'll announce this at the closing ceremony.

## Sponsors profile

### CDL

CDL is an insurance software house with a proven track record of consistently anticipating consumer purchasing trends and delivering powerful technology that enables insurance retailers to capitalise on them. Its blue-sky R&D programme and continuous delivery of enhancements ensures customers thrive on the back of CDL's solutions. They are currently recruiting [here](#)

CDL is a recurring sponsor of GreatUniHack/StudentHack and provide a lot to the tech scene in Manchester!

### Telcom

Telcom is an internet provider based in Manchester that provides superfast internet connections with speeds from 30Mbps, all the way up to 1Gbps. As well as professional,

secure and flexible phone (VOIP) solutions for any size of company, from startups to call centres.

## Yelp

Yelp is fast powerful API that enhance your app with Yelp's ratings, reviews, photos, in a simple powerful way and allow category and geo search filters.

Yelp takes pride in its support to its local community, by running local meetup, supporting hackathons, and supporting local business.

A well established company which embrace the startup culture based in the US and currently they have tons of openings and looking to recruit! [apply here](#)

## TheHutGroup

The Hut Group aims to be the World's leading Online Health & Beauty Destination. They are currently the UK's leading multi-website online retailer with rapidly growing global operations and a unique end to end technology platform. The Hut Group Platform supports more than 140 million global website visitors, 5 million customers and 8 million orders dispatched worldwide across our market leading stores including [www.myprotein.com](http://www.myprotein.com), [www.lookfantastic.com](http://www.lookfantastic.com) and [www.coggles.com](http://www.coggles.com).

They will be providing protein food and supplement during the hackathon to help you bench on those heavy weighted code bases!

## Twilio

Twilio provides a quick easy to integrate better communication into your app. With an easy to use VoIP API you can make voice or video calls around the globe; send and receive global SMS, MMS, and IP messages from any app; and a very secure two-factor authentication to strengthen a login to your app and website.

## Rise

Think Rise Manchester aims to connect the local community and offer wide range of facilities to their members. They provide various opportunities such as hackathon, meetups, events, challenges and mentorship.

They currently have a startup accelerator programme called [Barclays Acceleator](#)

## CodeThink

Codethink specialises in system-level software infrastructure to support advanced technical applications, working across a range of industries including finance, automotive, medical and telecoms.

They typically get involved in software architecture, design, development, integration, debugging and improvement on the deep scary plumbing code that makes most folks run away screaming.

## Manchester Science Park

Manchester Science Partnerships (MSP) is a community of scientists, innovators, investors and entrepreneurs, catalysing the growth of innovative science and technology businesses. They provide the right environments and connections for new ideas to flourish and concepts to become commercial reality. Check them out!

## Ampersand

Ampersand help established high street retailers create better ecommerce experiences. By collaborating with their customers to architecting lasting multi-channel retail systems and building ecommerce websites that drive sales across channels.

There are various career opportunity on their [website](#)

## Microsoft

Cloud computing is changing the technology industry. Microsoft is one of the leading cloud computing companies out there and they have various tools and technology that enables anyone to make the best out of their technologies! Check out Microsoft Azure or speak with any of Microsoft representatives for more information!

## HackCampus

HackCampus is a non-profit founded and run by students for students. Their main aim is to provide a fair internship programme.

The HackCampus internship programme is 10 weeks of living the hacker dream. HackCampus connect you to startups, and make sure you get paid, housed for free, and have an amazing ten weeks. [Apply here](#)

## Major League Hacking

Major League Hacking (MLH) is the official student hackathon league. By attending StudentHack, you'll earn 1 point for your school on the Major League Hacking UK leaderboard. You should consider attending more hackathons this season and our next season.

MLH hackathon are run by students and always promise the utmost quality, if you have enjoyed StudentHack, consider checking other hackathons over <https://mlh.io/seasons/s2016-eu/events>

## Mentors

We have plenty of mentors from companies and organisations such as CDL, Telcom, Yelp, TheHutGroup, Twilio, Barclays, Codethink, Ampersand, Bloomberg, and Microsoft They will be wearing an **olive beanie**.

<i>Company</i>	<i>Name</i>	<i>Email</i>	<i>Skills</i>
<i>Major League Hacking</i>	<i>Joe Nash</i>	<i>joe@jna.sh</i>	<i>FP, Web, DS, APis, Javascript, Haskell</i>
<i>Yelp</i>	<i>Tomas Doran</i>	<i>tdoran@yelp.com</i>	<i>Yelp API, Perl, mySQL, Ruby, JS</i>
<i>Yelp</i>	<i>Mark Larah</i>	<i>markl@yelp.com</i>	<i>iOS, Java, front end, Yelp API</i>
<i>CDL</i>	<i>Tim Dodgson</i>	<i>timdodgson@msn.com</i>	<i>Java, JavaScript, HTML, CSS, PHP, ASP</i>
<i>CDL</i>	<i>Corin Thorpe</i>	<i>corin.thorpe@cdl.co.uk</i>	<i>java,elasticsearch,linux, vehicle data,accident data,SQL</i>
<i>CDL</i>	<i>Aaron Boland</i>	<i>Aaron.Boland@cdl.co.uk</i>	<i>Middleware,J2EE,AWS,Python,Puppet,Software Orachastration, Technology topology and architecture</i>
<i>CDL</i>	<i>Oliver Brammer</i>	<i>oliver.brammer@cdl.co.uk</i>	<i>Java, Tomcat, Node.JS, C#, Git, OpenGL, RESTful, AWS, Spring, Bootstrap, Photoshop, PHP, Linux, reverse engineering</i>
<i>CDL</i>	<i>Murray Tait</i>	<i>murray.tait@cdl.co.uk</i>	<i>Java, big data</i>
<i>CDL</i>	<i>Aaron Boland</i>	<i>Aaron.Boland@cdl.co.uk</i>	<i>Middleware,J2EE,AWS,Python,Puppet</i>
<i>CDL</i>	<i>Corin Thorpe</i>	<i>corin.thorpe@cdl.co.uk</i>	<i>java,elasticsearch,linux,windows,tomcat,git,vehicle data, accident data,SQL</i>

<i>HackCampus</i>	<i>Joshua Simpson</i>	<i>@JoshSimpson</i>	<i>Ruby, Android, Java, PHP, C#</i>
<i>Hackathon Hacker EU</i>	<i>Daniel Tomlinson</i>	<i>dan@tomlinson.io</i>	<i>Objective-C, Swift, C, Ruby, API Design. Some backend javascript/go/elixir</i>
<i>The Hut Group</i>	<i>Alex Mackenzie</i>	<i>alex.mackenzie@thehutgroup.com</i>	<i>Talent</i>
<i>The Hut Group</i>	<i>Tom Lefley</i>	<i>Tom.Lefley@thehutgroup.com</i>	<i>Java</i>
<i>The Hut Group</i>	<i>JOsh Hesketh</i>	<i>Joshua.Hesketh@thehutgroup.com</i>	<i>Java</i>
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<i>Twilio</i>	<i>Marcos Placona</i>	<i>marcos@twilio.com</i>	<i>.Net, Java, JavaScript, Twilio API</i>
<i>Telcom Networks</i>	<i>Shaun Gibson</i>	<i>shaun@telcom.io</i>	<i>IT Operations</i>
<i>Rise</i>	<i>Colin Carmichael</i>	<i>colin.carmichael@barclays.com</i>	<i>Mobile payments, online bankings</i>

## Closing note

By attending StudentHack you have agreed to the Code of Conduct. We aim to make this a fun and enjoyable weekend for everyone.



Thank you and hack on!

**P.S we really really really want this to be fun event for you and want you to make the best of it, let us know of *ANYTHING* that bothers you no matter how much you think it could be insignificant.**