

# Millie McQuillin

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## EDUCATION

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**Durham University**, Computer Science BSc

2017-2020

- Current grade: 1st Class Honours - (*GPA equivalent 4.0/4.0*)
- Completed Modules Include: Algorithms and Data Structures | Software Methodologies | Networks & Systems

A-Level: A\*A\*A - Mathematics, Philosophy & Physics | A - AS Further Mathematics

GCSE: 9A\* - Including English, Mathematics, Physics | A\* with Distinction - Level 2 Further Mathematics

## EXPERIENCE AND PROJECTS

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**Morgan Stanley**, *Technology Analyst*

2019 Summer

- Independent Machine Learning research project to predict likelihood of trade failures (Scikit-learn, Python, Angular.js)

**Social Impact Innovation Ltd**, *Software Consultant*

2018 - Present

- Working with the UN to help analyse the impact of peacekeeping initiatives (SQL, Python)
- Aiding development of a new fintech, investment driven mobile application

**Broadcast Bionics**, *Software Engineer Intern*

2018 Summer

- Full stack development of a site to display and review new product features (C#, JS, HTML, SQL)

**Albourne Partners**, *Software Engineer Intern, Portfolio & Risk*

2016-2017 (1 Year)

- Developed and deployed an internal dashboard to display portfolio performance (Java, TDD, PostgreSQL)
- Developed a tool to automatically parse quarterly finance reports into a PostgreSQL database, as well as linking this with an interface, increasing upload speed for analysts by 95%

**There's no Buzz like Show Buzz**, *Founder*

2018 - Present

- Using NLP and unsupervised learning to develop gross analytic predictions for the entertainment industry (Python)

**Project Access**, *Director of Innovation (Previously Head of UK)*

2017 - Present

- Coordinated successful training days across Cambridge, Oxford, Imperial & 4 other UK campuses.
- Secured funding from Cambridge University 2 years running & increased support from 200 to 500 students annually

## SKILLS & INTERESTS

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**Programming Languages/Frameworks** - (proficient) Python, Java, C#, Javascript, SQL, Linux, HTML; (familiar) Swift, C, C++, R, Prolog, Haskell

**Extracurricular** - Award winning Public Speaker & Regional Debating Finalist | Durham University Academic Representative for Computer Science | Co-Founder - Durham University Women in Tech | Sport - National Netball Finalist, County Champion in 4 disciplines | Music - Grade 7+ in 3 Instruments | Languages: English (native), Spanish (conversational), Russian (beginner)

## VOLUNTEERING

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- **Code First: Girls** - Enabling a weekly programming course for girls at Durham University

2018 - Present

- **Burgess Hill Girls** - Taught Machine Learning using Python

June 2018

## ACHIEVEMENTS

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- **Google Women Techmakers Scholar 2019 - 2020** | 1 of 20 awarded across EMEA - for demonstrating excellence in Technology and Leadership
- **Dots x Google "Rising Star" 2019** | 1 of 50 across the UK
- **Catalyst Hack 2019 (1st Place)** - Won first prize for developing an open world game to inspire students to study climate science (C++, UE4)