

# Nick Mara

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## PERSONAL PROFILE

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As a highly driven and ambitious mechanical engineering master's student with over two years of independent trading experience, I bring strong problem solving capabilities, critical thinking, and advanced mathematical skills. I thrive in dynamic, high-pressure environments where excellence and hard work are valued. Through self education in trading strategies and psychology I have developed and refined my own data-driven trading approaches. As fast learner committed to personal growth, I am confident in my ability to excel in the trading and finance sector.

## EDUCATION

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**Mechanical Engineering (MEng – Integrated Masters) at Loughborough University** (graduating July 2025)  
Overall grade so far: 2:1

**Relevant Modules:** Engineering Management, Finance and Law; Industry Based Project; Mathematics for Mechanical Engineering; Project Leadership; Engineering Computation.

**Soft skills:** teamwork, project management, communication, leadership, strong work ethic, problem solving, presentation  
Student affiliate with the Institute of Mechanical Engineers (**IMechE**)

**Emanuel School, Battersea Rise, London SW11** (2014-2021)

A – Levels results 2021	Mathematics: <b>A*</b>	Economics: <b>A</b>
	Physics: <b>A*</b>	Further Mathematics: <b>C</b>

GCSE results 2019: 9 A\*s or equivalent including Mathematics, Economics, Physics, Computer Science, English Literature and Language, and a Grade 7 in Spanish.

## TRADING AND FINANCE

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- Over **two years' experience trading** on Hargreaves Lansdown, using IBKR and Trading 212 for charting tools.
- Created **trading strategies** of varying timeframes, using historical data and back testing to validate, on stocks and leveraged commodity ETNs both long and short – e.g. **reversion to the mean, pivot points**.
- Been through the stages of the **trader development arc** and now have a firm grasp of trading psychology.
- Gained firsthand exposure to trading strategies and industry practices during a morning of shadowing at **Momentum Securities** in **Johannesburg**, South Africa.
- Observed professionals analysing market trends and managing client portfolios, further solidifying my understanding of real-world trading environments.

*To further develop my understanding of trading and investing I have:*

- Regularly listened to **trading focused podcasts** such as *Trading Psychology: The Think Profit Podcast*, *Goldman Sachs The Markets*, and *Thoughts on the Market* by Morgan Stanley.
- Gained a fundamental **understanding of financial derivatives** – options, futures, swaps – through reading *Mastering the Trade* and *Financial Derivatives*, as well as watching Yale University lectures.
- Participated in **Loughborough Finance and Investing Society** activities, including a Finance Accelerator Simulation with AmplifyME and attended stock pitches.

*I have educated myself on the topic of finance and business:*

- Fundamental understanding of **financial models** and statements: balance sheets, income and cash flow statements. Can create a **Monte Carlo Simulation**, **Black Scholes** pricing model and a **Discounted Cash Flow** models on excel.
- Read *The Personal MBA* and *the Psychology of Money*, and regularly listen to 'The Diary of a CEO' to develop my business knowledge.

## TECHNICAL SKILLS AND LANGUAGES

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**Technical Skills:** Very strong mathematical skills.

Experience working with MATLAB, Python and HTML.

Intermediate level in MATLAB, Siemens NX 12, Siemens Star-CCM.

Very experienced with Microsoft Excel, Word and PowerPoint.

**Trading Skills:** Technical analysis, strategy development, risk management, back testing.

**Languages:** English (Native)

## EMPLOYMENT & VOLUNTEERING

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### **Wimbledon Tennis – Event Attendant** *(June–July 2022)*

- Transformed a residential property into a functional event space for IMG and ensured seamless event execution.
- Delivered exceptional front-of-house service by greeting guests, distributing tickets, and hosting evening events.
- Streamlined back-of-house operations, including event setup, merchandise organization, and supply management, demonstrating adaptability and initiative in a dynamic environment.
- Enhanced customer service, teamwork, and communication skills while responding to client needs with a proactive approach.

### **Bartender – Graveney and Meadow, Tooting** *(Summer 2024)*

- Delivered outstanding customer service while navigating the challenges of a pub undergoing administration, including staff and stock shortages.
- Played a key role in maintaining operations by adapting to rapidly changing circumstances and demonstrating resilience and problem-solving skills.
- Collaborated closely with team members to manage front-of-house and back-of-house duties efficiently, ensuring smooth service during high-pressure shifts.

### **Lifeguard – Tooting Lido, Tooting & Balham Leisure Centres** *(Part-time, Summer 2022 & 2023)*

- Maintained a safe and welcoming environment for swimmers through vigilant monitoring and clear communication.
- Strengthened teamwork skills by collaborating with colleagues to ensure safety protocols were upheld at all times.
- Demonstrated attentiveness and reliability in high-pressure scenarios to safeguard swimmers' well-being.

### **Voluntary Work**

- Work experience with an Estate Agent (Cound) in Earlsfield. (July 2019)
- Taught science lessons for Year 6 pupils as part of my school's 'Primary Ambitions' initiative; ran sports sessions for Year 5 pupils at Sacred Heart RC Primary School; worked in a local library overseeing the Lego club for children. (July 2020)

These experiences taught me how best to articulate and demonstrate skills to a group, and how to present myself when put in a position of authority and as a role model.

## INTERESTS AND ACHIEVEMENTS

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### **Interests:**

- **Sport:** Represented Emanuel School's 1<sup>st</sup> XV and won four excellence awards throughout my school rugby career. I now play at Loughborough University. This has strongly developed my teamwork and leadership skills and my ability to perform under pressure.
- **Fitness:** Extremely dedicated to my personal fitness goals which has developed discipline and a strong work ethic.
- **Music:** Self-taught guitarist from a young age and have played in a band with my friends at school events.
- Can solve a Rubik's Cube quickly and enjoy using logic to solve similar puzzles.

### **Achievements:**

- **School Prefect** 2020/2021- further developed my teamwork skills, as well as how to present myself as an ambassador of the school and a role model for younger students.
- Junior Maths Challenge Gold award, Intermediate Maths Challenge Silver (2018) and Gold (2019), Biology Challenge gold award.
- Academic Half Colours for outstanding GCSE results.

## REFERENCES

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Available on request.