

ZAIN RADWAN

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EDUCATION

Duke University

B.S.E Electrical & Computer Engineering | B.S Math

Aug 2024 – May 2028

Durham, NC

- **GPA:** 3.95/4.00
- **Relevant Coursework:** Linear Algebra, Algorithms and Data Structures, Financial Markets, Abstract Algebra, Probability
- **Activities:** Duke Rugby (Captain), Scale & Coin, Applied ML Club, Social Chair Wayne Manor, Duke Quant Finance, BlackRock Asset Allocation Finalist, DFE Corporate Valuation 1st place, Freeport Crypto Pitch Runners-up

Eastbourne College

Magna Cum Laude

Sep 2019 – Jul 2024

Eastbourne, UK

- **A-levels:** Chemistry (A*), Biology (A*), Mathematics (A*) and Further Mathematics (A*) | **ACT:** 36/36
- **GCSE's:** 9/9 in 12 subjects, one of 13 students in the UK to achieve 12 straight 9's at GCSE in 2022
- **Honors:** Deputy Head Boy, Academic Scholarship, Drama Scholarship, Secretary of Hayman society, Gold DofE
- **Awards:** UK Chemistry Olympiad (Gold), UK Biology Olympiad (Gold), UKMT Math Challenge (Gold) and BMO

WORK EXPERIENCE

Duke University Trinity College Department of Mathematics

Help-Room Teaching Assistant

Jan 2026 – Present

Durham, NC

- Provided advanced mathematical support to undergraduates in advanced multivariable calculus and linear algebra
- Worked with faculty and TA teams to reinforce rigorous mathematical standards, coordinate support strategies, and address common conceptual gaps identified across courses

The Duke Cosmology and Astrophysics Research Center

Research Assistant

Aug 2025 – Present

Durham, NC

- Worked in Professor Daniel Scolnic's lab, developed Python tools to visualize satellites & space debris (~40,000 objects)
- Implemented Monte Carlo simulations to model and predict potential collisions in low Earth orbit (LEO)

Shaker Consulting Group

High Voltage Intern

Jul 2025 – Aug 2025

Cairo, Egypt

- Developed plans and schematics for the planned city, Ras El Hekma, working with engineers to understand planning requirements as well as optimizing cable length, voltage and costs
- Reviewed technical drawings and single-line diagrams (SLDs) for medium-and high-voltage networks

EFG Hermes

Private Equity Intern

May 2025 – Jul 2025

Cairo, Egypt

- Conducted market and financial analysis across multiple sectors to evaluate potential investment opportunities within Egypt
- Collaborated with investment professionals on live transactions, gaining exposure to deal structuring, valuation methodologies (DCF, precedent transactions, trading comps), and portfolio monitoring

LEADERSHIP & EXTRACURRICULAR INVOLVEMENT

Scale & Coin Business Society

Philanthropy Chair & Vice President of Technology

Feb 2025 – Present

Durham, NC

- Organized Philanthropy events working with local Durham charity Urban Ministries providing 400 meals bi-annually
- Contacted alumni and scheduled weekly meetings to practice interview skills and resume prep

Duke Rugby

Vice President & Captain

Aug 2024 – Present

Durham, NC

- Played and led a team to 3rd place in a national final for rugby 15's and 7's in division III men's college rugby
- Raised \$100,000 in the span of a month to be able to fund trip to national finals in Houston Texas
- Academic All-American player x2 in the National Collegiate Rugby Conference, invited to play at freshman All-American

Deputy Head Boy, Eastbourne College

Head of School

Jun 2023 – Jul 2024

Eastbourne, UK

- Organized whole school events as well as charity events and chapels, mentored younger students in academics and sports
- Led a team of prefects managing assemblies and house sports events as well as LGBTQ+ lunches during pride month

Duke of Edinburgh Award

Gold recipient

Aug 2023 – May 2024

Eastbourne, UK

- Volunteered as a Math, Chemistry and Biology tutor in my school library during exam seasons for students
- Went on a week-long expedition in Welsh mountain ranges gathering data on nature's adaptations to human impacts

SKILLS AND INTERESTS

- **Skills/Certifications:** Arabic, French (proficient), Java, Python, Mathematics, Statistics, and Mechanics
- **Interests:** Rugby, Soccer/Football, Good Will Hunting, Acting, Boxing, Cars and Motorsports, Cooking