

Ethan C. Risan

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Eligible and willing to work anywhere in the USA

EDUCATION

University of Manchester

Manchester, UK

- MSc Biotechnology and Enterprise (Hons) Graduated 2:1 / 3.9
- BSc Plant Science (Hons). Graduated 2:1 / 3.3

Sept 2024

June 2023

LAB-WORK & RELEVANT SKILLS

Markin Enzyme & Microfluidics Lab

Manchester, UK

Master's Thesis

Sept 2023 – Sept 2024

- Statistical coupling analysis of terpene synthase genes to see if enzyme efficiency can be optimized in ways conservation analysis has not revealed.
- Validated functional importance in vitro using an E.coli reporter assay and mutant cycling.
- Purified enzyme using chromatography and dialysis in protein extraction protocol.

USDA ARS NCSL

Fargo, ND, USA

Research Analyst Assistant

June 2023– Sept 2023

- Sunflower (*Helianthus annuus*) breeding lab working on crop resilience, yield, and oil content.
- Integrating GWAS and BSA in silico to discover gene within hybrid sunflower that favors weevil resistance.
- Used GATK, Samtools, and other packages to build draft pipeline.

Kim Plant Sciences Lab Manchester, UK

Manchester, UK

Lab Volunteer

Aug 2022 - Apr 2023

- Plant lab working on genotyping, sequencing, and phenotyping of floral genes in *Kalanchoë* genus.
- Experienced in DNA extraction, PCR, Primer design, agrobacterium transfer, phenotyping, statistical analysis.
- Mastered excel for data analysis and predicting plant growth.

LEADERSHIP & ACTIVITIES

AKPSI

Manchester, UK

VP of Brotherhood

Sept 2023 – May 2024

- Successfully managed spring banquet, reducing costs by 50% during an inflation year while achieving a 22% margin.
- Reestablished and reengaged the current members with alumni through consistent communications.
- Marketed and organized fraternity events and raised 916 GBP during my tenure.

University of Manchester Botanical Society

Manchester, UK

Founder & Co-Chair; Treasurer

Sept 2021 – Sept 2022

- Organize and marketed community outreach and volunteering, securing dozens of unique volunteers each week.
- Raised 900 GBP for the Society: 400 GBP through the universities fundraising infrastructure, 500 GBP through independent outreach and pitching.
- Established roles and guides for future committee members, ensuring continuity and a self-sufficient society.

University of Manchester Student's Union

Manchester, UK

Student Representative

Sept 2021 – June 2023

- Used Qualtrics to gain insights and opinions from peers regarding student concerns and course content feedback.
- Presented findings to the faculty in bi-monthly meetings.

WORK EXPERIENCE

Sea & Air International Inc.

New York City, NY, USA

International Relocation Consultant

Mar 2020 – Sept 2020

- Built clientele of the Australian community of NY through social media and word of mouth.
- Managed \$500,000 worth of sales, 35% of total sales over the period in a sales force of 5.
- Journalled and managed leads over a 4 month period.

Bareburger Closter

Closter, NJ, USA

Counter Clerk

June 2018 – Oct 2019

- Learned customer service and team cohesion. Customer facing role working with the bartender to keep the front of house stocked and to make/serve drinks.

Olympic Regional Development Association

Shandaken, NY, USA

Ski Instructor

Oct 2014 – Apr 2018

- Formative years building work ethic. Responsible for managing and taking care of 6 children on the ski slope, in extreme weather conditions during weekends.

LANGUAGES, INTERESTS, & SKILLS

- Spanish, Hebrew (Beginner)
- Python, Command Line, R (Advanced)
- History, Governance, & Politics
- Cooking, Skiing, Squash