Manav Ponnekanti

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Education

University College London
MBBS BSc Medicine — *2022 – 2028 (expected)*

Haberdashers' Boys' School
A*A*A Biology, English Literature and Chemistry — *Sep 2016 – Jul 2021*

Experience

Pontikos Lab
Research Intern — *Jan – Sep 2022*
Non-reference-based enhancement of degraded fundus images using neural networks.

UCL IoO Bioinformatics Lab
Research Intern — *May – Sep 2022*
Extraction and processing of keratometer values produced by the adaptive optics scanning laser ophthalmoscope (AO-SLO) under Dr Angelos Kalitzeos.

UCL Institute of Ophthalmology
Work Experience — *Jul 2019*
Observing the Multimodal Retinal Imaging team and learning to use retinal imaging equipment. Analysis and comparison of retinal pathologies in Optical Coherence Tomography scans.

Moorfields Eye Hospital
Shadowing — *Aug 2018*
Observing ocular plastic surgery and an AAV gene therapy trial for the treatment of Retinitis Pigmentosa in the surgical wards.

Employment

Purple Ruler
Science and Maths Tutor — *Apr – Oct 2022*
Teaching GCSE and A-Level Biology, Chemistry, Maths; UCAT and BMAT; and interview preparation.

Triangular Learning Centre
Tutor — *Jan 2019 – Mar 2020*
Teaching classes of 3-10 pupils KS1-GCSE English, Mathematics, and Science. The job demanded a range of communicative registers, organisation and maintenance of learning materials, and leadership of students.

Projects and Awards

Perry Keenlyside Prize
Graduation award for English Literature — *Jul 2021*

Aske Project
Distinction — *Jun 2020*
"Evaluating neurotransmitter-symptom relationships for the integration of precision medicine into the treatment of major depressive disorder"

Keith Dawson Extended Research Project
Distinction with Honours — *May 2017*
"What role does epigenetics play in the development of cancers?"

Technical Skills and Interests

Languages: Working proficiency in Python, Ruby, HTML/CSS, and LaTeX

Interests: Oriented towards neuroscience, psychiatry, and computational approaches to research

Hobbies: Reading science fiction, playing jazz piano, and open-source software