

# Manav Ponnekanti

✉ manavponnekanti@gmail.com

## Education

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### 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

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### 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

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### 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

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### 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

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**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