

# JACOB LIN

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## EDUCATION

<b>University of Oxford</b> <i>PhD in Computer Science</i> <ul style="list-style-type: none"><li>· Research: 3D Foundation Models, Physics-Guided Vision Models</li><li>· Supervisor: Ronald Clark</li><li>· Teaching: Computer Vision (IE CDT HT25), Physics-Informed Neural Networks (CS HT25)</li></ul>	Oct. 2024 – Expected 2027 <i>Oxford, UK</i>
<b>Imperial College London</b> <i>MEng Electrical and Electronic Engineering</i> <ul style="list-style-type: none"><li>· Rank: 1<sup>st</sup> in Cohort (Governors' Prize), Grade: First-Class Honours</li></ul>	Sep. 2018 – Jul. 2022 <i>London, UK</i>

## EXPERIENCE

<b>Research Assistant</b> <i>Imperial College London</i> <ul style="list-style-type: none"><li>· Researched 3D few-view reconstruction of clouds, supervised by Ronald Clark (University of Oxford), Edward Gryspeerdt (Imperial College London), and Marc Stettler (Imperial College London)</li></ul>	Jan. 2023 – Oct. 2024 <i>London, UK</i>
<b>Research Intern</b> <i>Imperial College London</i> <ul style="list-style-type: none"><li>· Worked on unsupervised 2D object-centric learning via slot attention, supervised by Krystian Mikolajczyk (Imperial College London) and Francesco Locatello (Amazon).</li></ul>	Apr. 2021 – Oct. 2021 <i>London, UK</i>
<b>Engineering Intern</b> <i>Qualcomm</i> <ul style="list-style-type: none"><li>· Developed data visualisation software and an interface for an internal simulation tool.</li></ul>	Jun. 2020 – Sep. 2020 <i>Remote, UK</i>
<b>Undergraduate Teaching Assistant</b> <i>Imperial College London</i> <ul style="list-style-type: none"><li>· Assisted with university classes and laboratory sessions for analogue and digital electronics.</li></ul>	Oct. 2019 – Jun. 2020 <i>London, UK</i>
<b>Engineering Intern</b> <i>Bligher Surveillance Systems</i> <ul style="list-style-type: none"><li>· Designed a Bayesian classifier for radar drone/bird classification using Fourier analysis.</li></ul>	Jul. 2019 – Sep. 2019 <i>Saffron Walden, UK</i>

## PUBLICATIONS

Cloud4D: Estimating Cloud Properties at a High Spatial and Temporal Resolution <b>Jacob Lin</b> , Edward Gryspeerdt, Ronald Clark NeurIPS 2025 ( <b>Spotlight</b> )
Cloud-Stereo: A Dataset and Benchmark for Reconstructing Atmospheric Clouds from Stereo Images <b>Jacob Lin</b> , Edward Gryspeerdt, Ronald Clark BMVC 2025

## AWARDS

<b>EPSRC Studentship:</b> Full scholarship for graduate study (University of Oxford PhD 2024)
<b>Governors' MEng Prize:</b> Top Overall Grades in Cohort (Imperial College MEng 2022)
<b>Head of Department's Prize:</b> Top Student in the Third Year (Imperial College MEng 2021)
<b>Dean's List x4:</b> Top 10% of Cohort (Imperial College MEng, 2018 – 2022)
<b>Silver Medal:</b> Awarded as part of Team Sweden in International Young Physicists' Tournament 2018 Beijing