

# KEVIN WONG

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Nationality: British

## EDUCATION

**2014 to date**      **Corpus Christi College, University of Cambridge**  
*Natural Sciences (Physical; 4 years)*  
**Part III** (Earth Sciences)      I  
**Part II** (Earth Sciences)      I  
*Geophysics, Ancient Life and Environments, Petrology*  
**Part IB**      I  
*Earth Sciences A, Earth Sciences B, Chemistry A*  
**Part IA**      II.1  
*Chemistry, Earth Sciences, Mathematics, Physics*  
  
College Scholar 2016 and 2017

**2007-2014**      **Birkenhead School, Oxton**  
**A-level:** *A\* in Chemistry, Physics, Mathematics, Further Mathematics.*  
Franklin Wilmer Trust Award for best results in year.  
**GCSE:** *11 A\**

## RESEARCH EXPERIENCE

**Part III project**      **Department of Earth Sciences, University of Cambridge**  
Sept 2017-  
(ongoing)      *Supervisors: Dr. Oliver Shorttle, Simon Matthews, Dr. Marie Edmonds, and Dr. John MacLennan, University of Cambridge.*  
– Developed a thermodynamic and statistical melting model relating potential temperature to Al-in-olivine crystallisation temperature applicable for different magmatic settings.  
– Constrained potential temperature of the Hawaiian mantle to 1456 +84/-64 °C.  
– *Techniques: Epoxy mount sample preparation, electron-probe microanalysis, Petrolog3.1.1.3 modelling.*

**Part II project**      **Department of Earth Sciences, University of Cambridge**  
Aug 2016-Jan 2017      *Supervisors: Dr. Alex Copley, University of Cambridge, and Dr. Anne Rassios, Institute of Geological and Mineralogical Exploration, Greece.*  
– Geologically mapped 14.2 km<sup>2</sup> of the Pindos ophiolite and Mesohellenic basin, producing a 6000 word report and 1:10000 scale map.  
– Presented new evidence for early Kranea Formation provenance through a statistical analysis of cobbles in conglomerates.  
– Obtained a high First (77%) and awarded the CASP Notebook Prize for best fieldwork notebook.

**Nuffield Project**      **Unilever R&D Laboratory, Port Sunlight, Wirral**  
Jul-Aug 2013      *Supervisor: Dr. Craig Fairgrieve, Unilever R&D*  
– Investigated the rheology of polysaccharide salt solutions with varying chemical parameters.  
– Demonstrated that higher viscosity fluids are generated by high co-acid substitution and low degrees of polymer cross-linking within certain polysaccharide solutions through rheological experimentation using a rheometer.  
– Results presented as a poster at Unilever R&D and at the World Museum, Liverpool.

- Comenius Research Project**  
Sept 2012-Jan 2013
- Comenius Research Group, Birkenhead School, and Geschwister-Scholl-Schule, Tübingen, Germany**
- Studied viability of the E-bike as an effective method of transport in the city of Tübingen.
  - Worked with a team of international students in Germany for two weeks, performing surveys, visiting local sports research centres, and corresponding with Mayor's office.
  - Presented results in Pamplona, Spain.
- Sixth form project**  
2012-2014
- Science beyond the Curriculum Research Group, Birkenhead School**
- Modelled effect of illness on membrane potentials using an electrochemical cell.
  - Group awarded 'Young Scientists of the Year in the North West' at fair in Liverpool; went on to present results at National *Big Bang* fair in Birmingham.

## POSITIONS OF RESPONSIBILITY

- 2017-present**
- Sedgwick Club Committee (Cambridge University Earth Sciences society)**
- Elected as Treasurer, and voluntarily took up positions as editor of *Thin Section* (Club newsletter), and web editor.
  - Kept accounts and took active roles in organising and funding Club events.
  - Greatly expanded *Thin Section* from 6 to 20 sides of content. Published full set of Departmental Trumps cards.
  - Improved website layout, and designed a mapping feedback page to aid second-year undergraduate mapping planning.
- 2016-present**
- Department of Earth Sciences Teaching Liaison Committee**
- Actively represented students in year-group for Part II and Part III.
  - Involved in discussions concerning teaching methods in the Department.
- 2016-2017**
- President of the Corpus Christi Natural Sciences Society**
- Organised drinks event for 60+ students. Tripled drinks budget to £150 by corresponding with staff and College JCR.
- 2014-present**
- Warden of Corpus Christi College Chapel**
- Weekly duties involving the maintenance and service of the College Chapel.
- 2013-2014**
- Teaching assistant at Wirral Multicultural Centre, Birkenhead**
- Volunteer work; taught basic Cantonese Chinese to young children (4-11).

## ADDITIONAL SKILLS

- Fieldwork:** 90+ days fieldwork experience as researcher and student.  
Locations: Iceland, Greece, N and SW England, Isles of Arran and Skye.  
Trained in basic fieldwork first aid.
- Languages:** Greek (intermediate; self-taught), Cantonese (basic), French (basic)
- IT skills:** Familiarity with  $\LaTeX$ , Microsoft Office programs, Inkscape (vector graphics)  
Working knowledge of Python, QGIS, GIMP (image manipulation)  
Basic command of HTML scripting, Wolfram Mathematica
- Driving:** Full clean U.K. licence
- Sport:** Ultimate and badminton. Represented College at both.

## REFEREES

**Dr. Judith Bunbury**  
(Director of Studies)  
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**Dr. Anne Rassios**  
(Part II project supervisor)  
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