

Adrian Chong

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Education

MSc Computing, Imperial College London

- Currently undertaking a focused Master's programme which includes taught modules in C++ programming and software design along with a 4-month individual project.

BSc Physics (2:1), Imperial College London

- Relevant modules: Statistical Mechanics, Mathematical Methods, Entrepreneurship for Physics and Computational physics. Also studied module in Spanish for extra credit.
- Individual project: Was Athens really necessary? Used Python to analyse data using agent-based spatial modelling to understand historical patterns in Athens development.
- Group leader for a computational project on the variability of earth's temperature analysing large data sets using R. Awarded 70% for presentation and final report.

High School Singapore

- International Baccalaureate total: 41 including HL Mathematics 7 and HL Physics 7.

Work Experience

Professional Squash Player, Singapore Squash Rackets Association

- Competed at an international level in multiple tournaments including the Professional Squash Associations (PSA) world tour. Placed 3rd in the Allam British Open.
- Managed a team of 3 to oversee career including logistics, promotion, finances and personal appearances.
- Participated in outreach activities to promote Squash to all levels of society including exhibitions at schools and running professional coaching training.

Officer, Singapore Armed Forces, Singapore

- Completed national service including basic military training and officer cadet school.
- Led a platoon of 10 soldiers on military operations as directed by higher command including distribution of Covid testing and vaccinations throughout country.
- Organised the logistics to recruit and train over 300 vaccinators including establishing 8 training hubs and over 60 recruitment centres.
- Supported outreach activities in schools to help students understand the importance and opportunities available through national service.

July – Sept Information Technology Intern, Unilever, United Kingdom

- Collaborated with a team of 6 to create an interactive website to launch new Ben and Jerry's (B&Js) ice-cream flavour into the UK market.
- Conceptualised and developed a Python based quiz to match customers to their B&J flavour profile, presenting initial idea to senior management for approval.
- Liaised and negotiated with marketing team to ensure realistic deadlines for website testing and troubleshooting sessions.
- Explored seven other Unilever departments, working in each for 2-3 days, gaining a holistic understanding of a global business.

Undergraduate Researcher (UROP), Physics department, Imperial College London

- Worked with a team of 4 other students on the college wide visualisation project which created interactive pictorial versions of complex physics theories.
- Designed, developed and tested visualisations using JavaScript, HTML and CSS.
- Collaborated with students from different backgrounds and formed partnership with academic staff to integrate visualizations into mainstream teaching.

Technical Skills

Computing Python, C++, R, JavaScript, HTML, CSS, bespoke CRM systems (from Unilever), VLEs including Blackboard and Moodle, procurement and finance systems (from National Service), Excellent working knowledge of MS Office, including Excel for data analysis.

Laboratory Good understanding of physics related lab techniques including conductivity, atomic force microscope use and Brillouin scattering.
Achieve consistently high marks for lab reports and practical examinations.

Awards and Prizes

Stanford Machine Learning Course Certificate (Coursera)

Ranked 130th in GSA Ultra Global Coding Challenge

Top Gold award in British Physics Olympiad

Top in class for Maths and Physics out of a year group of 300

Positions of Responsibility

Squash coach, Imperial College London and Singapore Armed Services

- Assess, train and develop a range of talented squash players to support them reaching their full potential. Work with a wide variety of ages from primary school to retirees.
- Adapted the rules to squash to create an accessible game for ex-service people with different abilities including amputees and retirees living in assisted care.
- Student member of the advisory board of Ethos, Imperial's gym, ensuring facilities continue to meet student and staff needs.

Visualisations Mentor, Physics department, Imperial College London

- Coached students to code with Python, JavaScript and HTML&CSS and help them develop web-programming skills, to become proficient programmers able to create further visualisations.
- Adapted communication style to ensure different students were able to access the training.
- Wrote protocols to streamline the creation and uploading of visualisations to the central database.

Interests and other skills

Languages: Mandarin (native), English (native), Spanish (conversational)

Sports: Recreational squash, swimming and social football

References available on request

**please note our example CVs do not contain dates for practical reasons a CV used for applications should contain dates for all experiences.*