

ERINNE CHERISSE CHUA JOY ONG

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Education

De La Salle University (Manila, PH)

Bachelor of Science in Biology

Sep. 2017 - Feb. 2021

- Top 10% of graduating class with cumulative GPA of 3.787/4.0
- Thesis: Cytotoxicity and genotoxicity of *Citrus microcarpa* (Calamansi) juice and essential oil on small cell lung carcinoma, acute monocytic leukemia, and colon adenocarcinoma cell lines

St. Stephen's High School (Manila, PH)

Senior High School Diploma

Jun. 2012 - Mar. 2017

- Track: Science, Technology, Engineering, and Mathematics (STEM)
- Salutatorian (2nd out of 140 students) with final year average of 96.53
- Graduated with High Honors for STEM (grades of science subjects >95)

Work Experience

De La Salle University - Advanced Research Institute for Informatics, Computing and Networking (Manila, PH)

Project Assistant

Jul. 2021 - Present

- Works closely with research leads to build a lexical database for Philippine languages through natural language processing and network analysis
- Produced content on “Diachronic Representation and Linguistic Study of Filipino Word Senses Across Social and Digital Media Contexts” project

Wildtype Media Group (Singapore)

Staff Writer

Apr. 2021 - Present

- Writes two to three 500-word research highlights weekly for flagship *Asian Scientist Magazine* based on STEM journal articles
- Produces 1500-word topical deep dives on scientific advancements across Asia with researcher interviews
- Steers content direction and edits outputs for client projects covering diverse fields, including cancer, neuroscience, precision medicine, data analytics

National Medical Admission Test Review (Manila, PH)

Instructor (Self-employed)

Nov. 2020 - Apr. 2021

- Delivered online lectures to more than 300 students on cell biology, genetics, biochemistry, physiology, psychology, and ecology
- Developed a virtual assessment platform with over 100 sample test questions

Professional Training

Fundamentals of Neuroscience – Neurons & Networks

Harvard University (edX, massive online open course platform)

Feb. 2021

- Covered synaptic anatomy, excitation and inhibition, neuromodulation, neurotransmitter and receptor systems, synaptic and non-synaptic plasticity

Data Science Short Course – COVID Edition

De La Salle University (Manila, PH)

Oct. 2020

- Delivered by Prof. Jennifer Widom (Stanford University)
- Covered data analysis using spreadsheets, SQL, Python, and Tableau

Skills	cell culture revival and maintenance, cell viability assays, genotoxicity assays, DNA extraction, polymerase chain reaction, sequence analysis, protein homology modelling, gel electrophoresis, fluorescence microscopy, spectrophotometry
Conference Papers	<p>Ong EC, Co CJ, Mulingbayan IM, Oyong GG, Enriquez ML. Cytotoxicity of <i>Citrus microcarpa</i> (Calamansi) peel-derived essential oil on small cell lung carcinoma, acute monocytic leukemia, and colon adenocarcinoma cell lines. Metro Manila Health Research and Development Consortium 5th International Symposium and 12th Annual Scientific Conference; 2021 Sep 24-25; Manila, PH.</p> <p>Ong EC, Cabansag HB, Sacolles HS. Formative assessments as scaffolds in increasing Mathematics achievement of Grade 11 students. De La Salle University Research Congress; 2016 Mar 7-9; Manila, PH.</p>
Selected Published Articles	<p>Ong EC. 2021 Sep 30. Prioritizing patient privacy. Asian Scientist Magazine. 8(2):30-35.</p> <p>Ong EC. 2021 Jul 21. How China beat malaria. Asian Scientist Magazine [Internet]. Available from: http://www.asianscientist.com/2021/07/features/how-china-beat-malaria/</p> <p>Ong EC. 2020 Jun 15. Genomics sequencing traces spread of COVID-19, pinpoints cruise ship origins. The LaSallian [Internet]. Available from: http://thelasallian.com/2020/06/15/genomics-sequencing-traces-spread-of-covid-19-pinpoints-cruise-ship-origins/</p> <p>Ong EC, Chua W. 2020 Jan 1. Restless nights: Dealing with sleep deprivation. The LaSallian [Internet]. Available from: http://thelasallian.com/2020/01/19/dealing-with-sleep-deprivation/</p>
Extracurricular Activities	<p>The LaSallian (University campus publication) <i>Editor in Chief</i> Sep. 2019 - Oct. 2020</p> <ul style="list-style-type: none"> • Substantively edited over 300 articles on science and technology, university, sports, society, and arts for 11 monthly issues • Streamlined workflows by introducing consolidated trackers for event coverage schedules and article development timelines • Spearheaded human resource training through quarterly consultation sessions, five workshops, and feedback channels <p>Project Insight (Youth organization) <i>Content Manager</i> Jun. - Oct. 2020</p> <ul style="list-style-type: none"> • Organized webinars on vaccine development, artificial intelligence, and mental healthcare with 200 attendees • Coordinated with and tailored discussion points for global academic experts as webinar panelists
Awards	<p>Second place (out of 6 finalists), Metro Manila Health Research and Development Consortium 5th International Symposium and 12th Annual Scientific Conference – Oral Research Paper Competition, 2021</p> <p>Jose Rizal Honors Certificate (First Dean’s List, GPA >3.6), De La Salle University, 2017-2021</p> <p>First Runner Up (out of 6 teams), Ateneo Biology Cup, 2020</p> <p>Best in Biology (out of 40 students), Ateneo Junior Summer Seminar, 2016</p>