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**Education**

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Apr 2019 – Present      **B.Eng. Inter Civil Engineering, Kyoto University (MEXT scholar)** – GPA 4.1 on a scale 4.0

- Rank 3/254 in Global Eng. department. Rank 1 in Physics examinations – Mechanic: The highest score (98%)

May 2016 – Mar 2019      **Kamnoetvidya Science Academy (KVIS)** – GPA 3.9 on a scale 4.0

- One of 72 selected out of 7000 applicants to study STEM in Thailand leading science school on a full scholarship from PTT
- Academic: SAT II Physics – 800 Math level 2 – 800 Chemistry – 790 • Language: IELTS Overall band – 7

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**Work Experience**

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Aug 2019 – Sep 2019      **VISTEC Internship at SCADS lab** with Mr. Bundit Boonyarit, Assoc. Prof. Dr. Sarana Nutanong

- Helped conducting a research on Data-driven drug discovery for human GPCRs by data mining and machine learning
- Gained software development experience in Python, Visual studio code and Git. Also learned MD simulation and docking

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**Research Experience**

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Aug 2017 – present      **Alternative Energy research** with Dr. Panuphong Pootawang, Mr. Sarun Nounjeen

- Innovative Seawater Electric Generator with Water Circulation to be an Alternative Energy in the First Perpetual Ship

Aug 2018 – Jan 2019      **Environmental research** with Ms. Arjaree Thirach

- Effects of Storage Time and Temperature on Recovery Rate of Dehydrated *Bacillus subtilis* Spores for Degradation of Oil Spill

Jun 2017 – Jan 2019      **Biodegradation research** with Ms. Rowena Mary Miles

- Plastic-eating Capability of Invertebrates Larvae: *Tenebrio molitor* and *Galleria mellonella*

Jun 2017 – Aug 2018      **Nano Material Science research** with Dr. Panuphong Pootawang (\*Under Publication at Elsevier)

- Green and Sustainable Energy for Tomorrow – From Oil to Iron Nanoparticles Embedded Carbon as Catalyst in Fuel Cell\*

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**Laboratory and Programming Skills**

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Engineering:      Experienced SolidWorks, 3D printing, CNC machinery, auto CAM, SketchUp, Adobe Premiere Pro, iMovie

Programming:      Experienced Python, C, Java, Fortran, Latex, Gnuplot, MS Office . Worked on MacOS, Windows, Linux

Science:      Experienced SPP, SEM, EDX, TEM, XRD, Raman, CV, Bacterial cell culture. Analysed by Origin Pro, Chimera

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**Academic Achievements**

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Jun 2019 – Aug 2019      **Prime Minister's Science Award** – The Best of Category (Physical Science)

Jan 2019 – Jun 2019      **University of Oxford, UK** – Reach Oxford scholarship on a conditional offer at St. Peter's college

Apr 2019 – May 2019      **Intel International Science and Engineering Fair (ISEF)** – the world's largest annual science fair

- Special Award from American Chemical Society (ACS): Certificate of honourable mention. Nominated to ISEF Alumni.

Oct 2018 – Dec 2019      **The 8th International Conference on Environmental Science and Biotechnology (ICESB)**

- Achieved the Best Presentation Award. Exchanged environmental science research interests with PhDs and professors

Aug 2018 – Oct 2018      **Thailand Young Scientist Festival 14th (TYSF)** – Thailand's largest annual science fair

- Awarded Best of the Best and a Gold medal. Selected to present to Her Royal Highness Princess Maha Chakri Sirindhorn
- Selected as a Thailand's representative to compete in the Intel ISEF 2019 in Phoenix, Arizona, USA

Dec 2017 – Jan 2018      **Invitational Speaker for Princess of Chulabhorn's College International Science Fair 2018**

- Invited to give a speech in the opening ceremony to encourage more than 500 high school students to pursue scientific research

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**Extracurricular Activities**

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Sep 2016 – present      **The Charity camp director – Secretary of The White Room Enterprise Co., Ltd**

- Organised 6 charitable camps for unprivileged students in Thailand to boost their science interests and experience
- Designed and managed physics-based and mathematics-based activities. Proofread and linked all activities in the camps

Jan 2018 – March 2019      **The founder of KVIS Gift Shop for Charity**

- Established and managed a non-profit club to collect money for needy science students in rural.
- Oversaw the overall process from market research, products designs, advertising and promotions, and evaluation