YONATHAN SETIAWAN

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EDUCATION

KING’S COLLEGE LONDON | *BSc (Hons) Computer Science (1st Year) Sep. 2020 – Jun. 2023*

* Activities: Year 1 CS SSLC Academic Representative, Artificial Intelligence Society, and Tech Society.

QUEEN MARY UNIVERSITY OF LONDON | *BEng Chemical Engineering (Completed 1st Year) Sep. 2019 – Jun. 2020*

* First Year Result: 90.89% (Rank: 1); Relevant Courses: Maths & Computing for Engineers 1 (99%) & 2 (100%).
* Activities: Undergraduate Research Assistant, Tech Society, and Music (QMJazz) Society.

DYATMIKA HIGH SCHOOL | *CIE GCE A-Level, CIE IGCSE, SAT* | *Bali, Indonesia Aug. 2013 – Jun. 2019*

* IGCSEs: 8A\*s and 1A including Maths (98% PUM), Sciences (95% PUM), and English.
* A-Levels: A\*AAA in Biology, Mathematics (89% PUM), Chemistry (88% PUM), and Physics respectively.
* SAT Subject Tests: 800/800, 790/800, 780/800, in Chemistry, Math II, and Physics respectively.
* Activities: VP of Science Fair Committee, inter-school music competitions, AMC (Maths) Club, basketball team.

EXPERIENCES

QMUL Undergraduate Research Assistant | *GANs and Porous Media Applications* | *Dr Edo Boek Jun. – Aug. 2020* • Completed an introductory 12-hour PyTorch Deep Learning Course covering: Linear and Logistic Regression; Feedforward, Convolutional, and Residual Neural Networks; Generative Adversarial Networks (GANs).

* Tested different configurations and hyperparameters (e.g. learning rate, optimizer) of past GANs codes on 3D microstructure reconstructions. Created a report outlining their effects on the resulting GANs model.

Technology Intern | *Devina Aesthetic House (Clinic)* | *Dr Nathasa Lay* | *Bali, Indonesia* *Jun. – Aug. 2019*

* Built a WordPress website with custom CSS and JS animations, which increased bookings by 20% in 4 months.
* Designed a spreadsheet template using Excel for cash flow, income statements, and balance sheets.
* Computerised the paper-based 500+ patients database system using Access (stored in NAS and shared in Local Network). Substantially aided identification of patients, treatments, and medications using given criteria.

PERSONAL PROJECTS AND SKILLS

* Python (PyTorch): Coded and trained a handwritten digit classification CNN model with MNIST Dataset.
* Java: Coded and designed a text-based game, 2D ecosystem simulation, Airbnb-like app using JavaFX for the GUI.
* MATLAB: Created a Monte Carlo algorithm to estimate π with a user-input tolerance, and a function to calculate Maclaurin Series of a user-input bivariate function up to a user-input approx. order without the built-in taylor().
* Technical Skills: Intermediate in Python, Java, C++, SQL, MATLAB; Moderate in Web Dev. with JavaScript, HTML, CSS, Flask; Learner in ML & DL with PyTorch & TensorFlow; Interested in AWS Cloud Computing and Data Science.

ACTIVITIES/LEADERSHIP

KCL Year 1 CS Academic Representative | *Student-Staff Liaison Committee (SSLC)*  *Oct. 2020 – Jun. 2021*

* Successfully pitched a marketing campaign and was elected by a class of 400+ students. Proactively gained, succinctly summarised, and effectively communicated 100+ students’ feedback to SSLC meetings.
* Worked with 4 other representatives from same/higher years to host 2 in-person and 4 virtual social activities.
* Collaborated with societies to plan future hackathons and coding classes exclusive to Year 1 CS.

2021 Technology Spring Intern: J.P.Morgan (Feb. 25th – 26th) and Barclays (Apr. 8th – 9th).

Bright Network Virtual Tech Intern: Introduced to AWS Cloud Computing, ReactJS, and the Agile Scrum framework. Other Interests: Electronics, Robotics, Finance, Consultancy, Investment Banking, Analyst, Basketball, Music.

AWARDS

* QMUL Class Rank: 1st in School of Engineering and MatSci among 400+ students and 9 degree programmes.
* Outstanding Cambridge Learner Award: Top in Country for IGCSE ICT (Highest Raw Mark in the Country).
* Associated Board of the Royal Schools of Music (ABRSM): Grade 5 Piano Certificate.