ALDEN CHRISTIAN

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EDUCATION

Columbia University, New York, B.A. Mathematics-Statistics   2024-2026
- One of the Four selected students from the Computing Mathematics cohort of 2024 to be selected for the Joint-Bachelor's Degree Program with Columbia University in the city of New York.

City university of Hong Kong, Hong Kong, Bsc. Computing Mathematics   2022-2026
- Academic Studies: CGPA 4.04/4.30. Dean's List during all semesters.
- Scholarships: CityU Top Scholarship & HKSAR Scholarship recipient (Total of HKD260,000 per annum, renewable)
- Awards & Societies: CityU Got Talent 2024 2nd place, CityU Calculus Competition 2022 outstanding performance (top 3% of cohort), Magic Club, English Debating Team, CityU Tiger (Top 10% of College)
- Programming languages: SQL, Python, Java, VBA, MATLAB
- Spoken language: Mandarin (HSK 3), Bahasa Indonesia, English

WORK EXPERIENCE

Data Scientist Intern, Sigtica Limited   06/2023 - 08/2023
- Worked in a team of 10 data scientist interns on various AI projects for anthropology research.
- Built a Python script from scratch to generate synthetic documents in 4 days.
- The synthetic document generator reduces the amount of time needed for manual cropping by 9 hours per AI model (70% reduction).
- Developed image processing pipelines using Python modules such as OpenCV and Pillow to detect certain parts of a document without training object detection models, which reduces processing time to over 90%.
- Prepared research on document processing techniques by reading research journals on computer vision techniques for very specific problems.

PROJECTS

Bahasa indonesia Fake News Prototype, National Election Supervisory (BANWASLU)   06/2023 - 08/2023
- Worked in a team of 2 to prototype a fake news detector for the Indonesian presidential election.
- Built a Bahasa Indonesia language processing pipeline using HuggingFace face transformers and Spacy and classification model trained on FastText in 1 month.
- The language processing pipeline enables thousands of news data to be preprocessed in 5 minutes.

Swire Hotels Hackathon 2023 Finalist, Swire Hotels   03/2023 - 05/2023
- Worked in a multinational group of 5 on providing a solution to the slow hiring process experienced by a large conglomerate company.
- Proposed solution on using a speech-to-text and text-to-speech, GPT powered app to automate the interview process.
- Prepared a 13-slides research deck on the hiring process of large companies and better alternatives.
- Built a 26-page pitch deck and prototype of the app in 3 weeks.
- Project impact is reducing labor hours of conducting 1000 interviews by 90% and saving 60% of costs.

CityHack 2023 Finalist, City University of Hong Kong   02/2023- 02/2023
- Worked in a group of 5 to build a website that can match students' courses from their home university to their exchange university instantly using natural language processing and statistical methods.
- Built a pitch deck, interactive web-design, and working prototype code for the idea in 24 hours from scratch using Figma and Python.
- Using the app will reduce the amount of time matching university courses from approximately 5 hours to 9 minutes on average.

VOLUNTEERING

External Relations, Indonesian Student Association in Hong Kong (PPI HK)   2022-2023
- One of the 38 selected executive committees in charge of 646 PPI members in Hong Kong.
- Secured over HKD 150,000 of funding in 3 months through partnerships with State Owned Enterprises for a cultural event (highest amount of funding PPI received in a year in the organization's history).
- Negotiated partnership schemes to corporations from a wide range of industries that can benefit the Indonesian students studying in Hong Kong such as internship programs and career talks.