

Chan, Aric Edbert

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EDUCATION

University of British Columbia <i>Bachelor of Computer Science — GPA: 3.9/4.33</i>	Vancouver, BC Sep. 2024 – Dec. 2026
Chinese University of Hong Kong <i>Master of Philosophy in Economics</i>	Hong Kong Sep. 2015 – Aug. 2017
Chinese University of Hong Kong <i>Bachelor of Social Sciences in Economics, Minor in Mathematics</i>	Hong Kong Sep. 2009 – Aug. 2012

PROJECTS

OOTDscribe BCS Hacks 2025 <i>Gemini API, Express.js, MongoDB, Tailwind, React Bits, ShadCN</i> <ul style="list-style-type: none">Developed a AI-generated journal platform using user-input mood, stories, and imagesIntegrated endpoints for front-end CRUD operations, enabling display, creation, and deletion of journal cardsCreated a responsive, user-friendly UI with landing page, light/dark mode, search functionality, and toast notificationsStored Base64-encoded images in MongoDB and reduced journal cards loading time by 30% using localStorage caching	Mar. 2025
Credit Card Default Detection <i>Python, Scikit-learn</i> <ul style="list-style-type: none">Built machine learning pipelines to predict credit card default risk on a 30k entries imbalanced dataset, achieving a recall score of 75.0% with logistic regressionOptimized models (Logistic Regression, Random Forest & CatBoost) using pipelines, cross-validation and recursive feature elimination with grid search for hyperparameter tuningEnhanced model interpretability with SHAP analysis, revealing recent repayment status as the top contributor to default predictions	Mar. 2025
24-7 MedConnect HackCamp 2024 <i>Gemini API, React, Express.js, MongoDB, Amazon EC2</i> <ul style="list-style-type: none">Offered suitable doctors from the database based on Gemini AI-generated feedback derived from user-input symptomsProcessed user-input symptoms using Gemini AI to identify suitable medical specialties, then turned feedback into JSON format for database queryingUsed Axios API for data flow between frontend and backend, including creating doctor profiles on database and retrieving query results to web application based on symptoms input	Nov. 2024
Coffee Tasting Platform <i>Java, JUnit</i> <ul style="list-style-type: none">Developed a CRUD platform with a multi-tab GUI, enabling users to log bean purchase details, record brew note reviews, and toggle between functionalities seamlesslyImplemented JSON-based data persistence to retain and load user data across sessions	Jan. – Apr. 2024
Online Banking System Database <i>HTML, CSS, PHP, MySQL</i>	Oct. – Nov. 2023

EXPERIENCE

Deputy Returning Officer <i>Election Canada</i>	Apr. 2025 Vancouver, BC
Web Development Intern <i>Sing Sharp Limited JavaScript, React, Node.js, Next.js, Material UI, Git, Jira</i> <ul style="list-style-type: none">Developed 3 pages and data tables to display handled promise objects returning from serverCreated 10 APIs based on server requirements and validated return resultsUtilized Jira to report and communicate daily task with seniors and pushed reviewed codes to branchesConstructed and refactored React UI components to improve versatility and support future development needs	May. – Jun. 2024 Hong Kong
Economist <i>Nanyang Commercial Bank</i> <ul style="list-style-type: none">Conducted policy studies (e.g. LIBOR transition, Inflation risk on bank & Green finance) to drive bank business strategies and presented to management committeeCompleted two top-down researches for the corporate banking division to explore new business opportunitiesDelivered weekly market briefs and quarterly assets allocation reports to facilitate investment product team & treasury division's decision making	Jan. 2021 – Jul. 2023 Hong Kong
Research Analyst <i>Sun Hung Kai Properties</i>	Dec. 2018 – Jan. 2021 Hong Kong

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, TypeScript, HTML, PHP, Assembly
Developer Tools: VS Code, IntelliJ, Git, MongoDB, MYSQL, phpMyAdmin, Amazon AWS
Statistics: R, EViews, STATA
Communication: English, Cantonese, Mandarin