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WING KIU LAU

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SUMMARY

CS & History rising senior at Bowdoin College interested in digital humanities, full-stack development, and using tech/data for social impact. Familiar with multi-language development and GPT/API-based software solutions.

EDUCATION

Bowdoin College, Brunswick, ME   **B.A. May 2026**
Computer Science & History Double Major | Asian Studies Minor
Cumulative GPA: 3.74
Relevant Courses: Algorithms, Data Structures, Big Data Computational Analysis, HCI, Computer Systems
Activities: Writer, Bowdoin Science Journal; Student Representative, Faculty Committee (Library)

TECHNICAL SKILLS

Languages: Python, Java, C, C#, SQL, TypeScript, JavaScript, HTML, CSS,
Tools/Frameworks: Git, Linux, Pandas, Matplotlib, scikit-learn, Supabase, Selenium, FlutterFlow, Deno
Concepts: OOP, NLP, ML, Artificial Intelligence, Web Development, UI/UX, Agile/Scrum, LLMs, Data Analysis

EXPERIENCE

Innovate For Maine Fellowship / Oak AI, Orono, ME   **May 2025 – Current**
DevOps Engineer Fellow
- Built Selenium/BeautifulSoup scraper for 4 authenticated sources, extracting content efficiently.
- Enhanced GPT classifier to auto-tag article stance, streamlining content discovery and relevance.
- Refactored Meta API calls with a concurrent Edge Function, reducing message retrieval time by 15x.
- Manage Supabase PostgreSQL database and write SQL queries for data ingestion, enhancing integrity.
- Develop TypeScript/Deno Edge Functions linking frontend, backend, Meta/TikTok APIs via webhooks.

Bowdoin College Baldwin Center for Learning and Teaching, Brunswick, ME   **Feb 2025 – Current**
Writing Assistant
- Assist students in writing, editing, and proofreading assignments.
- Guide students in developing effective writing habits and improving writing for clarity and coherence.

Bowdoin College Computer Science Department, Brunswick, ME   **Jan 2024 – May 2024**
Introduction to Computer Science Learning Assistant
- Led two-hour weekly learning sessions, assisting ~10 students with problem-solving and grading.
- Helped beginner students grasp programming concepts via clear explanations and targeted support.

Bowdoin College Hawthorne-Longfellow Library, Brunswick, ME   **Oct 2022 – Current**
Public Services Assistant
- Guided patrons through new digital catalog systems, providing professionalism and adaptive support.

Caprikon Education (EdTech Startup), Hong Kong   **Aug 2021**
Intern
- Analyzed and presented market research to inform strategic business growth initiatives.

Liker Land (Crypto Startup), Hong Kong   **Nov 2019**
Intern
- Created social media content simplifying FinTech concepts, boosting community engagement.

PROJECTS

Effect of Greenhouse Gas on Bird Populations in Denmark Big Data Analysis Project
- Analyzed 47K+ data points with Python via APIs and shared ML insights and trends in a Medium blog.

Checkmaze (Unity 3D Game)
- Co-developed chess-based logic game with interactive UI (Photoshop), audio, and piece mechanics.