William Henry Hakim

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Education

Oxford University   **Oxford, UK**
M.St. in Chinese Studies.   9/14–8/15

Harvard University   **Cambridge, MA**
A.B. *magna cum laude* with Highest Honors in East Asian Studies, Computer   9/10–6/14
Science. 3.8 GPA.
John P. Reardon Jr. '60 Award, presented to Harvard's all-around most
  outstanding male scholar-athlete.

Work Experience and Accomplishments

Avalanche Insights   **San Francisco, CA (Remote)**
Senior Software Engineer   10/21–Present
- Led the team building Avalanche Insights' Theme Engine, an active learning system for qualitative coding
- Built data pipelines for processing unstructured text, generating sentence embeddings, optimizing embeddings for downstream tasks (clustering, classification, etc.), and performing supervised and unsupervised learning

The Information   **San Francisco, CA (In-Person)**
Senior Software Engineer   4/19–10/21
- Implemented core features, including The Information's mobile payments infrastructure, a personalized content recommendation system based on users' past activity, and an in-house system for conducting A/B tests
- Built statistical models to predict users' propensity to subscribe and churn
- Introduced the Sorbet typechecker to The Information's Ruby codebase
- Reduced cloud costs by 60% by tuning app server multiprocessing/multithreading configuration and optimizing slow database operations

The Shorenstein Center at the Harvard Kennedy School   **Cambridge, MA (Remote)**
Research Software Engineer   11/17–4/19
- Built the Single Subject Team's open source email benchmarking toolset, allowing media organizations to analyze their own data and benchmark their performance against peers
- Built microservices for Harvard's Information Disorder project. Microservice functionality included OCR, image comparison using locality-sensitive hashing, text processing, and entity detection

For previous work experience and further details, please see linkedin.com/in/williamhakim

Skills, Languages and Other Interests

Foreign Languages: Near-native proficiency in Mandarin Chinese (written and spoken)
Other: I represented the United States in rowing. I love racing road and gravel bikes. I am a triple US/British/Portuguese citizen.