

# William Henry Hakim

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## Current Address

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## Education

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### Oxford University

M.St. in Chinese Studies.

Ko Prize for the best dissertation in Chinese Studies.

Oxford, UK

9/14–8/15

### Harvard University

A.B. *magna cum laude* with Highest Honors in East Asian Studies, Computer Science. 3.8 GPA.

Thomas T. Hoopes '17 Prize, Harvard's highest award for undergraduate writing, for a year-long senior thesis project.

John P. Reardon Jr. '60 Award, presented to Harvard's all-around most outstanding male scholar-athlete.

Cambridge, MA

9/10–6/14

## Work Experience and Accomplishments

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### The Information

Senior Software Engineer

San Francisco, CA

4/19–Present

- 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
- Oversaw devOps, cutting infrastructure costs in half
- Tech: Ruby on Rails; Javascript (React, Node.js); Python (Pandas, Numpy, Scikit-Learn, Keras); Postgres; Heroku; Redis

### The Shorenstein Center at the Harvard Kennedy School

Research Software Engineer

Cambridge, MA (Remote)

11/17–4/19

- Built the Single Subject News Team's open source email benchmarking tool, a web app which allows media organizations to benchmark the performance of their email marketing efforts using a custom suite of data science metrics.
- Built microservices for Harvard's Information Disorder project. Microservice functionality includes OCR, image comparison, text processing, and entity detection.
- Tech: Python (Flask, Asyncio, Pandas, Celery, Kombu, Numpy); Javascript (Node.js); Postgres; Docker; AWS (EC2, Elastic Beanstalk, S3, RDS, SES).

### Blue Umbrella Labs, Hexo Helmets, NameCoach Inc., etc.

Freelance Software Engineer

San Francisco, CA

8/16–8/17

- Freelanced alongside coxing for the United States Rowing Team.
- Projects ranged across the stack, ranging from ground-up prototypes to clean frontends. Clients included individuals, non-profits, and venture-funded Silicon Valley startups.

## Skills, Languages and Other Interests

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**Foreign Languages:** Near-native proficiency in Mandarin Chinese (written and spoken)

**Other:** Represented the United States in rowing. Current category 4 cyclist. Dual US/British citizen.