JAKE CUI

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PROFESSIONAL SUMMARY

I am a freshman at Harvard College planning to concentrate in computer science. I am passionate about technology, entrepreneurship, biotechnology, and venture capital.

EDUCATION

HARVARD COLLEGE
Cambridge, MA
Computer Science
August 2016 – Present

- Current freshman interesting in pursuing computer science or applied mathematics
- 3.8/4.0 GPA

THOMAS JEFFERSON HIGH SCHOOL FOR SCIENCE AND TECHNOLOGY
Alexandria, VA
Student
September 2012 – May 2016

- Biotechnology Club President, Student Government, Debate, Science Olympiad
- 4.44/4.0 GPA
- SAT: 2340 (R: 800 W: 740 M: 800)

PROFESSIONAL EXPERIENCE

JANUS NEWS
Cambridge, MA
CEO and Co-Founder
December 2016 – Present

- Janus is a newsreading platform that utilizes machine learning and natural language processing to identify political bias in news articles.
- Accepted into Harvard's Venture Incubation Program
- Worked on marketing, product management, frontend and backend development

CURE FORWARD CORPORATION
Cambridge, MA
Startup Strategies Intern
June 2016 – August 2016

- Cure Forward is a new service that seeks to connect patients who are keen to try experimental treatments for their cancer with researchers who may be looking for subjects with their genetic pathology.
- Shadowed and interned with company CEO
- Worked in marketing, product management, and customer support

KICKUP FOR EDUCATION
Washington, D.C.
Paid Startup Intern
February 2016 – April 2016

- KickUp is an analytics platform that helps professional development teams synthesize feedback, take action to support teachers, and report on impact over time.
- Worked remotely with development and marketing teams
- Specialized in data processing and client outreach

BOSTON CHILDREN'S HOSPITAL
Boston, MA
Research Intern
June 2015 – August 2015

- Worked at Harvard Medical School's Children's Hospital Informatics Program as a part of the Research Science Institute at MIT.
- Using machine learning, I created a program that can identify specific regions on ordered proteins that bind to intrinsically disordered proteins.
- Worked under the mentorship of Dr. Gil Alterovitz, Supervising Scientist

GEORGETOWN UNIVERSITY

Washington, D.C.

Research Intern

June 2014 – August 2014

- Worked at Georgetown University's Center for Drug Discovery located within the Lombardi Comprehensive Cancer Center.
- Successfully synthesized an anticancer prodrug that had the ability to simultaneously track and treat cancerous tissue.
- Worked under the mentorship of Dr. Yali Kong, Supervising Scientist

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HONORS AND ACHIEVEMENTS

2017	Accepted into the Harvard Innovation Lab's primary Venture Incubation Program for Janus News, a novel news reading platform
2016	Intel STS National Semifinalist (300 in the US), Research project on predicting ordered protein binding sites with machine learning.
2016	Intel International Science and Engineering Fair (ISEF) 4th Grand Prize Category Winner, research in a machine learning algorithm to predict intrinsically disordered protein binding
2015	Selected as a Research Science Institute (RSI) Scholar (one of 80 students worldwide) by the Center for Excellence in Education (CEE).
2014	Google Science Fair Regional Finalist, Research project on improving chemopreventive cancer treatment.
2016/15/13	Intel International Science and Engineering Fair (ISEF) Finalist, research in concurrent cancer treatment and monitoring.
2015	Junior Science and Humanities Symposia (JSHS) Virginia state finalist, Outstanding Research in Medicine and Health.
2016/15/13	Fairfax County Regional Science and Engineering Fair Grand Prize and First Place Winner in Medicine and Health Sciences & Biochemistry.

- Distinguishing Achievement 1st Place Award from United States Public Health Service
- Bright Future Award

2015	Virginia Junior Academy of Science (VJAS)

LEADERSHIP EXPERIENCE

HARVARD COLLEGE ENTPRENEURSHIP FORUM

Cambridge, MA

Co-President

September 2016 – Present

- Harvard College's oldest entrepreneurship organization
- Responsible for hosting and consulting local startup CEOs and notable VC partners

HARVARD RADCLIFFE ASIAN AMERICAN ASSOCIATION

Cambridge, MA

Technology Chair

August 2016 – Present

- Harvard's largest and oldest Asian cultural group on campus
- Hosts study breaks, social events, and cultural gatherings

HARVARD DIGITAL LITERACY PROJECT

Cambridge, MA

Chair of Community Outreach

September 2016 – Present

- Volunteer organization at Harvard aiming to teach local underprivileged middle schoolers computer science
- Responsible for facilitating relationships between middle school administrators and coordinating teaching sessions

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SKILLS AND INTERESTS

Technical Experience: Java, C, Python, OCaml, R, Machine Learning, Data Mining, PyMol, LaTeX, JavaScript, HTML, Unix/Linux, App Development, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, TI Graphing Software

Coursework: CS50, CS51, Math 23a, Math 21a, AP Chemistry, AP Biology, AP Computer Science, AP Calculus BC, Artificial Intelligence, AP US History, AP Chinese, Design & Technology, Mobile App Development, Multivariable Calculus, AP Microeconomics, AP Macroeconomics, AP English Language, AP Comparative Government and Politics, Geosystems