

Zachry Bai
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Education

HARVARD UNIVERSITY Class of 2018 Cambridge, MA

A.B. in Computer Science, 3.5/4.0 GPA

Relevant coursework: Data Systems (CS165, currently enrolled), Computer Systems and Machine Organization (CS61), Machine Learning (CS181), Data Science I (CS109a), Software Engineering (CS164), Data Structures and Algorithms (CS124), Functional Programming (CS51), Computational Theory (CS121), Probability (STAT 110), Linear Algebra/Real Analysis I, II (MATH 23a/b)

GREENWICH HIGH SCHOOL Class of 2014 Greenwich, CT

4.6 GPA | 2380 SAT (800R/800M/780W) | Graduated with High Honors

National Honors Society, National Merit Scholar Finalist

Technical Skills

zachbai.me

Programming: Java, Python, Javascript, Swift, C, Apache Spark, iOS SDK, React Native/ReactJs, numpy/pandas, scikit-learn

OS: macOS, Linux, Unix shell

Experience

IMC FINANCIAL MARKETS

Chicago, IL

Software Developer Intern

June - August 2017

Built a missed-trades analysis tool for high-frequency traders. Built data pipeline for processing and analysis of terabytes of trades and market data. Implemented reasoners to deduce from data why potentially-profitable trades were missed. Java, Apache Spark.

SAMSUNG ACCELERATOR

Manhattan, NY

iOS Software Engineer Intern at Unclip

June - August 2016

Worked with one other engineer to build the iOS app for Unclip, a cross-platform video editing and sharing application geared toward action sports athletes. Built responsive video gallery UI for integration of cloud- and locally-stored videos. Built feature for editing the viewing frames/angles for 360° video. Patched FFmpeg, a video encoding/decoding library, to read and write spherical metadata on 360° video files. Swift, iOS SDK.

Projects

Pollen

January 2017 - current

Pollen is a cross-platform campus polling app developed to better assess and inform student opinions on campus issues. Built the entire mobile client for Android and iOS. React Native, Express.js, MongoDB, WebSockets, Expo, Docker.

hillydilly2spotify

Summer 2017

A simple web app built to seamlessly convert music covered in the newest posts from hillydilly.com, one of my favorite music blogs, to Spotify playlists. ReactJs, Flask, SASS, Webpack. Powered by Spotify's web API.

Interests

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- Avid musician, songwriter, amateur recording engineer/producer. Experience with Ableton Live, Maschine
- Cellist of 11 years (Stamford Young Artists Philharmonic, Principal Cellist (2011-2014), Connecticut All-State Orchestra Member (2012-2013)).
- DJ at WHRB 95.3 (Harvard's student radio station) for Hip-hop/electronic department