**Brian Krentz**

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Cambridge, MA 02138

**Education**

**Harvard College** Cambridge, MA BS Electrical Engineering. Coursework in Computer Science, Multivariable Calculus May 2017

Linear Algebra, Circuit Design, and Physics (mechanics and relativity). GPA: 3.59/4.0

**Summer 2014 HBX | Harvard Business School** Cambridge, MA

HBX Credential of Readiness (CORe) – Passed with High Honors. September 2014

Coursework in Economics, Financial Accounting, and Business Analytics

**New Trier High School** Winnetka, IL

Top 10% of Class, Honor Roll, National Mathematics Honor Society, May 2013

AP Scholar with Distinction, National Chinese Honors Society

**Technical Skills and Languages**

**Languages (in order of proficiency):** C, Python, OCaml, C++. Familiarity with Javascript, PHP

**Operating Systems and Programs:** Mac OS X, UNIX, EAGLE, MatLab & Simulink, Solidworks, FinalCutPro

**Languages:** An intermediate level of Chinese linguistic skills, as well as reading and writing of Chinese characters

**Experience**

**Harvard-HKUST Summer International Research Experience** June 2015-August 2015

*Researcher*

Worked on an engineering design project with UAVs. Built a delivery system that utilized quadcopters to deliver small packages on autonomous routines. I worked with the firmware to enable an autonomous flight routine and object detection/avoidance.

**Jordan’s Food of Distinction (JFOD)** May 2014-August 2014

*Intern*

Worked in Chicago, as an all around assistant for any tasks/leadership required, at a high-end catering business. This included assisting in food preparation, setting up and closing down the events (25-300 persons), as well as being a waiter during the event if needed.

**HSA Cleaners** October 2013-January 2014

*Sales Associate*

Worked as a Sales Associate for the largest student run business at Harvard. This included opening the storefront, working as a sales clerk for the dry cleaners, and working customer service.

**Projects\***

**Sleep Tracking Smart watch:** Fall 2014

Designed a smart watch that can track the quantity and quality of a person’s sleep. It consists of a 5x5cm PCB, which utilizes an accelerometer and heart rate sensor to track sleep. The design uses an E-ink display for low power. There are 4 buttons that enable the user to toggle between different displays (watch, graph, sleep data, and alarm). The expected battery life before recharging is a little over 48 hours.

***\*For a full portfolio of projects, please go to briankrentz.github.io***

**Leadership Experience and Activities**

**Figure Skating:** Competitive from 2003-2013

Member of Team USA (2013); 2013 8th Place Finisher (Junior Level), 2012 6th Place Finisher (Novice Level) - USFS National Championships; 19th - 2013 Junior Grand Prix Baltic Cup in Gdansk, Poland. Awards include: 2013 USFS Scholastic Honors Team; 2013 USFS Alumni Ambassador Award (For being an active volunteer in the figure skating community and beyond); 2013 Platinum Level Graduating Senior (For being an International and National competitor)

**The Crimson:**

Editor at The Crimson for their Technology Board. Work on projects in Python/Django to update and maintain their website. This includes work on both the backend and frontend. Past projects have included updating the MVC for Harvard Today articles and adding thumbnails to the ‘Most Read’ side box.

**Harvard Men’s Frisbee:**

Co-Captain of BRedLine, Harvard’s ultimate Frisbee b-team. 2015 Developer Regional Champions, 2014 Greater Boston Area Sectional Champions

**Harvard Krav Maga:**

President. Duties include organizing classes, hiring instructors, recruiting new members, marketing the club, and managing the club’s finances.