

William Barkoff

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<https://willbarkoff.dev>

EXPERIENCE

Memorial Sloan Kettering Cancer Center, New York, NY – Healthcare Innovation Fellow

JUL 2019 – AUG 2019

Created chatbot to improve communication between departments. Handled complete front-end and back-end work, as well as planning, problem identification, and gap analysis

Pulse Wearables, New York, NY, San Francisco, CA, and Munich– Co-founder & Technical Lead

JUN 2017 – JAN 2019

Developed a wearable patch to monitor the electrical signals of a user's heart and alert them to any irregular behavior, specifically for users awaiting diagnosis of certain arrhythmias and users with hypertrophic cardiomyopathy. Won several business and entrepreneurship awards. <https://pulsewearables.com>

Custodes Libertatis Memorial Foundation, Greenville, DE – Web Developer

JAN 2017 – PRESENT

Developed and maintain the website for the Custodes Libertatis Memorial foundation, including server maintenance and other technical jobs. Developed custom donation platform for the site. <https://fallenshipmate.org>

MyHomeworkSpace, New York, NY – Developer

OCT 2015 – PRESENT

Handled front-end and back-end aspects of development for an online planner designed for Dalton students. Also developed react native client for iOS and Android.

<https://myhomework.space>

EDUCATION

The Dalton School, New York, NY

SEP 2015 – JUN 2020

Enrolled in honors calculus, computer science, and physics courses. 3.90 weighted GPA.

Cornell University College of Engineering, Ithaca, NY

AUG 2020 – MAY 2024

Currently attending the Cornell University College of Engineering. 4.15 weighted GPA as of Fall 2020

PROJECTS

Honor With Code

Created a non-profit that worked with the Wounded Warrior Project and Code School (now Pluralsight) to grant programming school scholarships to wounded veterans so they may find jobs that do not require physical activity. <https://honorwithcode.org>

DaltonTab

Created a Chrome and Firefox extension designed for Dalton students that provides schedule, school information including lunch menu, news stories, and public transit information. <https://myhomework.space/daltontab.html>

SKILLS

Fluent in HTML, CSS, JS (node.js, React, Preact, React Native, Vue, and jQuery), Java, Kotlin (JVM), SQL (MySQL, Microsoft SQL), Dart (Flutter) and Go.

Knowledgeable in Python, Ruby, and Haskell.

Knowledgeable in Adobe Illustrator, Adobe Photoshop, Adobe After Effects, and Adobe Premiere Pro

Willing to learn more programming languages if requested.

AWARDS

i.Invest National Youth Business Competition 2018
1st Place

Diamond Challenge 2018
Finalist

Paradigm Challenge 2018
Finalist

Dalton Tiger Hacks 2015
1st Place

AMNH Hack the Deep 2016
Design Award

LANGUAGES

Elementary proficiency in Mandarin Chinese and Spanish

MORE INFORMATION

For more information, please visit <https://willbarkoff.dev>