

BRIAN OPPENHEIM

☼ 11/10/1997

📄 [https://github.com/brianoppenheim?](https://github.com/brianoppenheim?tab=repositories)
tab=repositories

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WORK EXPERIENCE

Software Developer 06/2017 - present

Salomon Research Group- Brown University Medical School, Providence

- Implemented a new database searching algorithm and accompanying software that increased critical data acquisition by up to 40%.
- Re-engineered a high throughput pipeline for proteomic data in Java.
- Wrote app to perform False Detection Rate filtering with NodeJS

Fellow 12/2016 - 01/2017

Tel Aviv Global Tech Fellowship, Tel Aviv, Israel

- Students from top universities apply machine learning, data analysis, and iOS development while working with startups in the Israeli tech ecosystem.
- Created a food waste management tool for Tel Aviv meetups.

Field Agent 09/2012 - 07/2017

King County Search and Rescue Association, Seattle, U.S.A

- Provided dynamic healthcare to endangered civilians under taxing situations.
- Injuries ranged from fractured ankles to anaphylactic shock and cardiac arrest.
- Collaborated as part of a team to interact with individuals in a genuine way.
- Received annual Top Responder award for dedication and excellence within the organization

Conference Organizer 09/2016 - present

Better World by Design, Providence, U.S.A

- Better World by Design (BWxD) is a Brown-RISD led organization that brings together global designers, innovators, and entrepreneurs.
- Shared in planning a design conference involving ~1000 people, including thought leaders from around the country in technology, healthcare, design, and more.

EDUCATION

Computer Science - GPA 3.7 09/2016 - 05/2020

Brown University, Providence, U.S.A

Relevant classes (** = Spring 2018)

- CS 0330: Computer Systems (architecture, caches, processors, controller IO, etc. in C and Assembly).
- CS 0320: Software Engineering (Large scale projects in Java/JS)**
- CS 1470: Deep Learning (Python/Tensorflow)
- CS 1300: UI/UX - Teaches front end design theory through ReactJS/HTML/CSS
- CS 1420: Machine Learning**
- CS 170/180: Year long introduction to programming/algorithms (Java, Scala, Ocaml).
- Maths: Discrete, Linear Algebra, Stats*, Calculus.

STRENGTHS

Java

C

Python

TensorFlow

Project Management

Scala

NodeJS

React JS (Limited)

AWARDS

1st Place | Visual Design

Hack@Brown 2017

Top Responder

King County Search and Rescue Association

Eagle Scout

Boy Scouts of America

VOLUNTEERING

Board of Directors 08/2014 - 08/2016

Global Visionaries, Seattle, WA

- Organization formed to instill values of global citizenship among Seattle youth.
- Oversaw expansion of the general program to youth outside Seattle, gaining NGO status, and the creation of a 10-year strategic plan.