Yunhan (Hannah) Huang | https://github.com/Yunhan0816 | https://medium.com/@yunhanh

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EDUCATION

Boston University | B.A in Computer Science | Expected May 2021 | GPA: 3.61

Relevant Courses: Linear Algebra, Algorithms, Object Oriented Programming, Combinatoric Structures, Computer Systems, Probability in Computing, Concepts of Programming Language, Computer Graphics, Theory of Computation, Software Engineering, Web programming, Applied Cryptography

TECHNICAL SKILLS

Proficient in Python / Java / JavaScript / React / VueJS / Firebase / C/ Swift / HTML / CSS / Git

Experience in Web Development / Data Analysis / Object Oriented Programming / Agile / Web Scraping

PROFESSIONAL EXPERIENCE

Developer Summer Analyst | Barclays | Expected July 2020

Director of Technology | TechTogether Boston | March 2020 – Present

- Leading a team of software engineers, developing and maintaining webtools for TechTogether, Boston's largest female, femme, and non-binary hackathon

Tech Organizer | BostonHacks | February 2020 – Present

- Collaborating on a team of four software engineers and developing the Sponsorship page using Vue.js and Firebase for BostonHacks 2020, an annual collegiate Hackathon

Project Founder & Lead Developer | BU Spark! Innovative Fellowship | January 2020 – Present

- Found and lead the project In Rainbows, lead a team of 3 software engineers and 1 UX designer to ensure the development of website features using Agile methodology, and programmed both front-end and back-end.

Software Engineer & Tech Lead | Hack4Impact BU | September 2018 – Present

- Developed three web and iOS applications with technical teams collaborating with non-profit companies.

Software Engineer Intern | Wasu Media Holding Co. Ltd | June 2019 – August 2019

- Developed a data analysis tool that analyzes attributes of films and television products that Wasu owns using Pandas, Gensim in Python to generate similarity scores.
- Helped Wasu film and television channel to effectively recommend similar products to the users based on their film and television purchase history.

RECENT PROJECTS --- full list at www.hannahhuang.me

InRainbows | JavaScript (Vue.js), Firebase, Google Map API | February 2020

- A web application for high school and college-age LGBTQ+ members in Boston to easily access queer-friendly mental health resources based on preferences that matter to them.
- I first pitched the project idea to BU Spark! and then got accepted and funded by BU Spark! Innovation Fellowship Program.

Personalized Concert Generator | JavaScript (Express.js), HTML, Firebase | March 2020

- A web application for music lovers to get personalized and up-to-date concert ticket information based on their artists preferences and listening history on Spotify.
- User logs in using Spotify OAuth, and the app retrieves the top artists list from the user's Spotify and calls the SeatGeek API, and returns the user their up-to-date concert tickets of their most frequently listened artists.

Apple's FindMy Simulation | Python | April 2020

- The app performs a simulation of Apple's Find My system in a scenario where an Apple user, Bob, loses his phone in an airport without internet. Bob's phone uses Bluetooth to communicate with nearby iDevices with end-to-end encryption and have them relay approximate location information to iCloud.

Inhal/ED | JavaScript (Vue.js), Firebase | October 2019

- A web application using Vue.js and Firebase that allows asthma patient to keep track of their inhaler usage and medical condition data in a virtual calendar, giving doctor easy access to their patient's data, and providing patients real-time air quality index.
- Won First Place of Best Use of Google Cloud at BostonHacks 2019.

Song Lyrics Data Analysis | Python (Matplotlib, NLTK, Pandas) | June 2019

- A data analysis tool that analyzes different band lyrics by using Pandas and Word Cloud python library, and examines the sentiment (positivity, neutrality, or negativity) behind the lyrics by using NLTK's Vader Sentiment Analyzer.

Ameelio Project at Hack4Impact | JavaScript (Vue.js), Firebase | September 2019

- A web application collaborating with Ameelio.org to provide inmates in the US a platform to contact their loved ones.