

HA MIN KO

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EDUCATION

Babson College

Candidate for *Bachelor of Science*

Concentration in Business Analytics and Information Technology Management

Cumulative GPA: 3.93/4.00 | SAT: 2250 (800M) | SAT II Math: 800 | Presidential Scholar | Honors Program

Babson Park, MA

September 2014 – May 2018

Horizons School of Technology

Fellowship in software engineering and entrepreneurship

- Projects include building clones of Twitter, Kickstart, Facebook, Trello, Yelp, and Yo

San Francisco, CA

January 2017 - May 2017

EXPERIENCE

University of Pennsylvania – PennVention

Contract Software Engineer

- Developing PennTracker – an end-to-end management platform designed to expedite the administrative process of running an annual startup competition with 1000s of yearly applicants
- Architected and built relational database schema allowing for different types of users (students, mentors, judges), teams, multiple stages and awards, feedbacks, and rubrics
- Designed middleware routes to handle different type of users and built the RESTful API for accessing, creating, and updating all the information available in the database
- Developed admin dashboard with functionalities like stage tracking and judge/mentor approval.
- Built utilizing Node.js/Express, database utilizing PostgreSQL and Sequelize

San Francisco, CA

March 2016 – Present

Cactus Practice

Finance Department

- Participated in 19 member student-run business as part of first-year curriculum to provide cactus plants to enhance aesthetic feel of student's dorms and to promote better care of plant life on earth
- Overhauled business plan, leading to completely sold out inventory in three weeks

Babson Park, MA

January 2015 – April 2015

PROJECTS

Middle Race iOS Game

Mobile multiplayer turn-based racing game where the goal is to finish in the middle

- Built end-to-end multiplayer game using React Native on the client, and Node.js/Express.js on the server
- Worked on team of three engineers, developed client-side and server-side architecture
- Implemented framework for defining special passive abilities. Passive abilities automatically update game state when specific game conditions are met.

San Francisco, CA

March 2017

FareBuddy

Web-based mobile app that helps users find cheaper Uber rides

- Built using Uber API and Google Maps API, Node.js/Express, and MongoDB, deployed on Heroku
- Worked on team of two engineers, designed front-end user interface and integrated Uber's API and Google Map's API
- Utilized promises to retrieve and store all relevant information to display approximate costs for all Uber services in a radius around the user's current location depending on current selection
- <https://github.com/HaminKo/FareBuddy-Public>

San Francisco, CA

February 2017

Double-Message

Personal relationship manager app allowing shared inbox for texting and emailing

- Built using Node.js/Express, MongoDB; deployed on Heroku
- Implemented text and email functionality using webhooks, Twilio, and SendGrid
- <https://github.com/HaminKo/double-message>

San Francisco, CA

January 2017

SKILLS

React, React Native, JavaScript, Node.js, Express, Webpack, Babel.js, Redux, Git, Sequelize, Postgres, MongoDB, FlexBox, jQuery, HTML, CSS, SQL, Redis, and Rstudio