

Gannon O Barnett

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EDUCATION

Massachusetts Institute of Technology

Candidate for Bachelor of Computer Science and Engineering

GPA 5.0/5.0

Class of 2022

Cambridge, MA

- Minor in management; Concentration in Mandarin Chinese
- Current: Performance Engineering Software, Applied Probability, Microeconomics, Managerial Finance
- Past coursework: Computer System Engineering, Machine Learning, Software Construction, Design and Analysis of Algorithms, Introduction to Algorithms, Computation Structures, Entrepreneurship in Eng., Interconnected Embedded Systems, Physics E&M, Linear Algebra, Multivariable Calculus, Chinese V

Newton South High School

2014-2018

- GPA: 3.9/4.0, SAT: 1530/1600 (99th percentile)
- Community Rowing Varsity Crew - U.S. Youth Nationals Silver (2018), Bronze (2017)

WORK EXPERIENCE

Machine Learning Intern

Summer 2020

Botkeeper

Boston, MA

- Designed and implemented a self-verifying PDF data extraction service in python that can extract tabular and text information with 99% accuracy for several different classes of documents. Used Gitlab CI/CD for testing and documentation generation. Project was in production by end of summer.

CTO/Lead Software Developer

January 2019 – Present

Rentingway, Inc.

Cambridge, MA

- Creating a social-media focused property-management solution with additional emphasis on automation of processes such as rent payments, leases, maintenance requests and listings. As of May 2020 in beta testing with over \$200k payments processed annually, expected to surpass \$1M annual by 2021
- Managing a team of 3 developers. React + Capacitor cross-platform structure with Node JS backend utilizing several Google cloud services including Firebase and Google Cloud Functions

Backend + Data Engineer

January 2020

Lark Health

Mountain View, CA

- Created internal command line tool for integrating iOS CI/CD integrating APIs with Ruby
- Developed new data pipeline for Lark separate MySQL and Snowflake tables, conducted high-level design of data processing system as Lark moved from long SQL queries to a python-based system based on functional programming and modularity

Computer Vision Engineer

June 2019 – August 2019

Ori Living

Boston, MA

- Independently coded an augmented reality mobile application to display and interact with robotic furniture in any environment. Iterated with feedback of marketing team in a fast-paced startup environment
- Ori published my application to the iOS App Store at the end of my internship. (*App Store: [Ori AR](#)*)
- Coded natively in XCode (Swift) using ARKit

Independent Projects (while in high school) - 3 published mobile applications, available on the Apple App Store

LEADERSHIP EXPERIENCE

Scholarship Chair & Brotherhood Development Lead

May 2019 – Present

Sigma Alpha Epsilon Fraternity

- Organized and budgeted fraternity-wide events to foster a supportive and tight-knit community

Varsity Crew Team Member

September 2018 – June 2019

MIT Varsity Men's Lightweight Crew

- Competed in several varsity races, including the Head of the Charles Regatta in Boston, MA

Elected Class Officer

2014-2018 (4 years)

Newton South High School Class Council

Boston, MA

- Planned large school events including Senior prom, Junior semi-formal
- Fundraised over \$2k from local businesses on behalf of Senior class

SKILLS

Programming languages: python, Javascript/Typescript/Node.js, Java, Ruby, MySQL, C++, Swift, HTML, php

Technologies: GCP, AWS, NoSQL (mongodb, firestore), pandas, numpy, pypi, CI/CD, React, vim

Languages: English (native), Mandarin Chinese (conversational)