Gannon O Barnett

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EDUCATION

Massachusetts Institute of Technology   **Class of 2022**
Candidate for Bachelor of Science in Computer Science and Engineering   **GPA 4.9/5.0**   *Cambridge, MA*
- Concentrations in Economics and Mandarin
- Current coursework: Computer Networks, Management in Engineering, Principles of Macroeconomics, Solid-State Chemistry, Voice and Speech for the Actor
- Past coursework: Computer Systems Engineering, Machine Learning, Software Construction, Design and Analysis of Algorithms, Introduction to Algorithms, Computation Structures, Entrepreneurship in Engineering, Interconnected Embedded Systems, Physics E&M, Multivariable Calculus, Chinese 5

Newton South High School   **2014-2018**
- GPA: 3.9/4.0, SAT: 1530/1600 (99th percentile). Awarded Best Oral Final Presentation in Chinese
- Community Rowing: Men's 8+, US Youth Nationals Silver (2018), Bronze (2017)

WORK EXPERIENCE

SpaceX Starlink   **January 2021 – Present**
Starlink is launching thousands of satellites to provide internet service to any location in the world
Software Engineer Intern (Jan-May), Software Engineer (May – Present)   *Redmond, WA*
- Designed and implemented a scalable and reliable system to monitor the performance of 100k+ Starlink Wifi routers to help find and diagnose issues in the global satellite network. Worked closely with network operations and business teams to provide a simple monitoring solution for a complicated system.
- Led investigations into router performance, fleet performance, and user experience.
- Accepted offer to return full-time after graduation. Continuing part-time remotely during senior year.

Botkeeper   **May – November 2020**
Botkeeper provides cloud-based accounting solutions for small- and medium-sized businesses
Machine Learning + Software Intern   *Boston, MA*
- Created a self-verifying PDF data extraction service with 99% accuracy for several types of financial documents. Developed robust testing framework and documentation resources.
- Invited to return part-time during school year to add the service to production pipelines.

Rentingway   **January 2019 – August 2020**
Rentingway is a social network and payment platform to help landlords manage their apartment leasing operations
CTO, Lead Software Developer   *Cambridge, MA*
- Managed team of 3 developers and led platform design and implementation for messaging, payment processing, property management, and newsfeed services, utilizing a microservice architecture.
- Firm won $100k award from Google Startup Funding.

Ori Living   **June 2019 – August 2019**
Ori Living builds robotic furniture to bring more functionality and space to smaller living spaces.
Software Engineering Intern   *Boston, MA*
- Created an augmented-reality iOS app to provide an immersive and interactive experience for Ori Living products. Iterated with feedback of marketing team to develop UI/UX. (*App Store: Ori AR*).

LEADERSHIP EXPERIENCE

Sigma Alpha Epsilon Fraternity   **May 2019 – Present**
Brotherhood Development Chair, New Member Educator
- Organized programs for new and current members to foster a welcoming and tight-knit community.

MIT Varsity Men's Lightweight Crew   **September 2018 – June 2019**
- Competed in several varsity races, including the Head of the Charles Regatta.

Class Officer   **2014-2018 (each of 4 years)**
Newton South High School Class Council   *Newton, MA*
- Planned events including senior prom and junior semi-formal. Fundraised over $2k from local businesses.

SKILLS

Technical: Go, C, Java, Python, Swift, SQL (Phoenix, Spark), Linux, Kubernetes, Istio, GCP, Pandas, Numpy
Languages: English (native), Mandarin Chinese (conversational)