

# Qiong Zhou Huang

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## Education

### Massachusetts Institute of Technology

Cambridge, MA (May 2024)

*Candidate for B.S. in Electrical Engineering and Computer Science*

**Relevant Coursework:** Intro to Machine Learning, Computation Structures, Intro to Algorithms, Intro to Deep Learning, Fundamentals of Programming, Mathematics for Computer Science, Interconnected Embedded Systems, Multivariate Calculus, Linear Algebra, Intro to Neuroscience

**Activities:** MIT Robotics Team (CS subteam), Undergraduate Research Technology Conference (Organizing Committee), HackMIT, MIT First Generation Initiative, dynaMIT (Mentor for STEM Summer Program)

### Stuyvesant High School

New York, NY (June 2020)

**Relevant Coursework / Activities:** Artificial Intelligence, Systems Level Programming, AP Computer Science, Physics C, StuyPulse Robotics (Director of Design)

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## Experience

### Harvard Medical School (George Church Lab)

*Undergraduate Research Fellow*

(Jun 2021 - Present)

- Built an online database to provide and visualize data on hundreds of synthetic amino acids.
- Generated, parsed, and analyzed bulk data from bioinformatic tools using Jupyter Notebook pipelines

### MIT CSAIL (Computer Science and AI Lab: Decentralized Information Group)

*Undergraduate Research Assistant*

(Feb 2021 - Jun 2021)

- Helped build a system of auditing decentralized financial transactions using React, Redux, gRPC, and more
- Set up and deployed blockchains, websites, and relevant processes on MIT servers

### Memorang:

*Software Engineering Intern*

(Sept 2020 - Dec 2020)

- Created new features on the beta website using React, Next.js, GraphQL and Node.
  - Revamped webpage SEO by implementing Google Structured Data and Open Graph Protocol
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## Skills

**Web Development:** HTML/CSS, Javascript, React.js, Redux, Next.js, SQL, Node, MongoDB, GraphQL

**Programming:** Python, Java, C/C++

**Machine Learning:** Sci-Kit Learn, PyTorch, Tensorflow, Pandas

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## Projects

### Packing Penguin: (Dec 2020 - Jan 2021)

- Tool for helping college students plan what to pack for moving on campus with hundreds of users
- Built with React, Next.js, and MongoDB

### IoT BeanFarm: (Apr 2021 - May 2021)

- Built windowside bean farm with automated watering and data collection that could be controlled via a Web UI
- Built with HTML/CSS, Python, Flask, SQLite, and Arduino