

# LISA R. PENG

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## EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

*Pursuing Bachelor of Science in Electrical Engineering and Computer Science, GPA 4.5*

CLASS OF 2021

*Cambridge, MA*

- Relevant Coursework: Algorithms, Software Construction (Java), Fundamentals of Programming (Python), EECS via Robotics, Machine Learning, Circuits and Electronics, Strobe Project Lab, Nanoelectronics and Comp Systems, Robotics: Science and Systems

## TECHNICAL SKILLS

- Java, Python, Git, AWS (EC2, Route53, ELB etc.), Kubernetes, CI/CD (Jenkins, GoCD, Gitlab), HTML/CSS, JavaScript, Arduino, Autodesk Inventor, Solidworks, MATLAB, SVN, LaTeX, Jira, Gradle, Monitoring (Prometheus, Grafana, Datadog), IDE (Visual Studio, IntelliJ, Eclipse etc.), SAIL

## WORK EXPERIENCE

APPIAN CORPORATION

*Software Engineer Intern*

JUNE 2020 – PRESENT

*Remote*

- Full-stack application development for seamless integration and efficient use of hundreds of internal and third-party plug-ins for all Appian engineers and customers, lead programmer for new plug-ins deletion feature that will be shipped this quarter, organizing design meetings
- Coding unit, regression, and integration tests almost daily, collaborating with UI, UX and QE team members

NORDSTROM

*Software Engineer Intern*

JUNE 2019 – AUGUST 2019

*Seattle, WA*

- Responsible for search and navigation results on the Nordstrom.com website and mobile apps for all Nordstrom customers during largest annual sale event
- Implemented major infrastructure migration of existing application from Amazon EC2s to Nordstrom Kubernetes
- Conducted load tests, configured dashboard for monitoring service, made application robust to disruptions for high uptime, scalability, and continuous deployment

PRINCETON SATELLITE SYSTEMS

*Spacecraft Engineer Intern*

JANUARY 2018

*Plainsboro, NJ*

- Researched a supercritical CO2 Brayton cycle to improve energy efficiency in fusion-powered rocket engines
- Scripted in MATLAB to model ideal and non-ideal systems for different size reactors
- Co-author “Space Nuclear Power Systems–Direct Fusion Drive” *American Institute of Aeronautics and Astronautics*

## EXTRACURRICULAR ACTIVITIES

MIT SPOKES AMERICA

*Cyclist, Driver, Robotics Instructor*

MAY 2018 – AUGUST 2018

*Washington D.C. to San Francisco, CA*

- 75-day 3,500 mile cross-country biking/teaching trip for students in underserved areas on how to build circuits and robots.

THE BORDERLINE MURAL PROJECT

*Website Master and Publicity Chair*

OCTOBER 2018 – JUNE 2019

*Cambridge, MA*

- Managed site and social media, collaborating with artists to create and showcase AR-enabled murals across MIT.

DANCE

*Choreographer, Exec Member of MIT Mocha Moves and MIT Ridonkulous Teams*

SEPTEMBER 2017 – PRESENT

*Cambridge, MA*

## ACHIEVEMENTS

ROBOTICS SCIENCE AND SYSTEMS COMPETITION FIRST PLACE

MIT WOMEN’S TECHNOLOGY PROGRAM (WTP-EECS)

NATIONAL MERIT SCHOLARSHIP RECIPIENT

SPRING 2020

SUMMER 2016