

# Karishma Reddy Khan

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## Education

Sep 2015–May 2017	<b>Brandeis University   Waltham, MA</b> Master of Arts   Computer Science
Sep 2011–May 2015	<b>Mount Holyoke College   South Hadley, MA</b> Bachelor of Arts   Magna Cum Laude Majors: Physics and Theatre   Minor: Electrical Engineering

## Experience

Jan 2022–Present	<b>Clutter   Seattle, WA</b> <i>Software Development Engineer</i> <ul style="list-style-type: none"><li>Implemented A/B tests to improve customer reservation rate and retention</li><li>Implemented new features to improve useability of customer facing websites</li></ul>
June 2019–Jan 2022	<b>Alexa Music Voice Experience, Amazon   Seattle, WA</b> <i>Software Development Engineer</i> <ul style="list-style-type: none"><li>Developed multiple A/B experiments to drive customer listening minutes and retention</li><li>Completed API development, backend code inclusion and Mobile App code for new experiences</li></ul>
July 2017–June 2019	<b>Amazon Web Services, Amazon   Seattle, WA</b> <i>Software Development Engineer</i> <ul style="list-style-type: none"><li>Sole owner of software tools for data transformation, email reporting and data validation</li><li>Fully designed and developed a serverless cloud native data validation software tool</li></ul>
June 2016–Aug 2016	<b>High Energy Physics Lab, Brandeis University Physics Department   Waltham, MA</b> <i>Programmer</i> <ul style="list-style-type: none"><li>Developed a Matlab GUI to simulate experiments to map the human eye</li><li>Developed image stitching algorithms to stitch together experimental data results</li></ul>
Sep 2015–Dec 2015	<b>SAXSLAB U.S.A.   Northampton, MA</b> <i>Developer</i> <ul style="list-style-type: none"><li>Updated pre-existing Matlab 2012a GUI code to be compatible with Matlab 2015a</li><li>Software is currently in use for X-Ray scattering analysis</li></ul>
June 2015–Aug 2015	<b>Molmex Scientific   Northampton, MA</b> <i>Intern</i> <ul style="list-style-type: none"><li>Designed 3D models in SolidWorks currently in use on Small Angle X-Ray scattering devices</li><li>Improved user interface of scattering devices using <i>spec</i>, a C-like language</li></ul>
June 2013–Aug 2013	<b>Fermi National Accelerator Lab   Batavia, IL</b> <i>Research Student</i> <ul style="list-style-type: none"><li>Worked with Wire Position Monitors (WPMs) used to detect motion in Linear Accelerator Cavities</li><li>Developed a Matlab GUI to analyze data from WPMs that is still in use</li></ul>

## Skills

Programming	Java, Ruby, JavaScript, HTML, React, Ruby on Rails, Matlab
AWS	Lambda, DynamoDB, API Gateway, ECS, Fargate, CloudFront, SES, SNS, CloudWatch
Tooling	Git, $\LaTeX$

## Interests

Boxing, rock climbing, comic books, video games, theatre