Karishma Reddy Khan

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Education

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

Experience

Jan 2021–Present	**Clutter	Seattle, WA** *Software Development Engineer* • Implemented A/B tests to improve customer reservation rate and retention • Implemented new features to improve useability of customer facing websites
June 2019–Jan 2021	**Alexa Music Voice Experience, Amazon	Seattle, WA** *Software Development Engineer* • Developed multiple A/B experiments to drive customer listening minutes and retention • Completed API development, backend code inclusion and Mobile App code for new experiences
July 2017–June 2019	**Amazon Web Services, Amazon	Seattle, WA** *Software Development Engineer* • Sole owner of software tools for data transformation, email reporting and data validation • Fully designed and developed a serverless cloud native data validation software tool
June 2016–Aug 2016	**High Energy Physics Lab, Brandeis University Physics Department	Waltham, MA** *Programmer* • Developed a Matlab GUI to simulate experiments to map the human eye • Developed image stitching algorithms to stitch together experimental data results
Sep 2015–Dec 2015	**SAXSLAB U.S.A.	Northampton, MA** *Developer* • Updated pre-existing Matlab 2012a GUI code to be compatible with Matlab 2015a • Software is currently in use for X-Ray scattering analysis
June 2015–Aug 2015	**Molmex Scientific	Northampton, MA** *Intern* • Designed 3D models in SolidWorks currently in use on Small Angle X-Ray scattering devices • Improved user interface of scattering devices using *spec*, a C-like language
June 2013–Aug 2013	**Fermi National Accelerator Lab	Batavia, IL** *Research Student* • Worked with Wire Position Monitors (WPMs) used to detect motion in Linear Accelerator Cavities • Developed a Matlab GUI to analyze data from WPMs that is still in use

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