

Rachael Mathew

(781) 496-7678 • rmathew@umass.edu • [GitHub](#)

Passionate Undergraduate Computer Science student interested in Full Stack Software Development, Machine Learning, and AI, with experience in DevOps and Mobile.

Education

University of Massachusetts, Amherst, MA

Dec 2023

Bachelor of Science in Computer Science

GPA 3.90

Technology

Languages: Groovy, Bash, Jenkins DSL, Java, Python, AWS CLI, Swift, YAML, JS, HTML5, CSS

Tools: Jenkins, AWS EC2, AWS S3, Azure DevOps, Mapbox, XCode, WordPress

Experience

iRobot

June 2022 - Dec 2022

Software DevOps Co-op

- Created automatic Jenkins pipelines using EC2 instances and executed tasks in a Docker container using an ECR image. Tasks such as configuring repositories, producing and uploading build files to Artifactory, syncing files between repositories, running tests on robots, and printing the test results to Slack
- Developed a trigger link for Bitbucket pull requests using ScriptRunner and Groovy, which sends a POST Request from Bitbucket to Jenkins to run the pipeline. Experimented with AWS API Gateway and Lambda to send POST request

Nuance

May 2021 - Aug 2021

iOS Mobile Development Intern

- Used YAML pipelines in Azure DevOps to create Xcode simulator builds and run snapshot tests.
- Created Veracode Archive and uploaded the scan, created a streamlined YAML pipeline with multiple sub-tasks using parallel jobs and templates for clean, high-efficiency code.
- Fixed front-end issues using Swift, localized strings for translations while navigating the Nuance repository, and tested features with simulators and real devices connected to Xcode.

Center For Youth Engagement

May 2020 - Nov 2021

iOS Developer

- Created a calendar, which could have events created and added on as a part of the CYE iPad app using Swift and Xcode
 - Transferred video files to AWS S3 storage and used AWS CLI to create a Bash script to download and upload video files
 - Sent iOS logs to AWS Cloudwatch using AWS Soto Swift Package Manager in Xcode
-

Leadership

Undergraduate Course Assistant, Amherst MA

September 2020 - Nov 2020

- Graded students' work, tutored students one-on-one and attended weekly CS 121 lab sessions.

Web Development, Lexington, MA

Jul 2019-Nov 2020

- Created a responsive website for a small e-commerce business using HTML5 on cPanel
- Developed website for an online magazine using WordPress