

# Michael Alssid

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[michaelalssid.dev](http://michaelalssid.dev) (Portfolio)

<https://github.com/malssid>

<https://www.linkedin.com/in/michael-alssid/>

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## **EDUCATION**

University of Rhode Island, Kingston, RI (May 2022)

Bachelor of Arts in Computer Science, Minor in Cyber Security

## **TECHNICAL SKILLS**

Javascript, Elixir/Phoenix, Python, HTML, CSS, React, Node, GraphQL, MySQL, PostgreSQL, NextJS, C#, Java, Git/Github, AWS, Microsoft Office, Google Workspace.

## **WORK EXPERIENCE**

MojoTech - a Software Development company (January 2022-November 2022)

- Helped rewrite the office weather display, Helios, from Ruby on Rails to Elixir/Phoenix.
  - Added a Slack bot that users can communicate with in order to post announcements to Helios from a Slack channel.
- Wrote a Python script that utilized regular expressions to correct over 2000 cases of SQL injection in .NET applications.
- Wrote a Java library to abstract away common file IO operations. This involved implementing an interface for a local file system and an S3 bucket.

Teaching Assistant Computer Science, University of Rhode Island (September 2020-present)

- Assist students with their assignments during weekly help hours and in class lectures/labs
- Created auto-graded coding quizzes using Javascript
- Soft skills: Communication, troubleshooting, supervising.

Research Assistant for CS4RI (May 2021-September 2021)

- Producer (zoom moderator) for K-12 teacher trainings
- Provided technical assistance, including management of breakout rooms.
- Soft skills: Communication, managing virtual teams, time management.

## **PROJECTS**

RhodyRates

- Created application enabling URI students to view and rate courses.
- Incorporates voting feature instead of comments to capture student feedback.
- Inspired by Coursicle.
- Technologies: ReactJS, ChakraUI, Express, PostgreSQL, Docker

Brighterspace

- Collaborated to build an LMS (learning management system) inspired by Brightspace.
- Targeted towards universities that are looking for an efficient tool for managing students, courses, assignments and more.
- Technologies: NextJS, ChakraUI, MySQL

Badging Program

- Helped build a prototype for the Rhode Island Department of Education that awards badges to K-12 Computer Science students in the state.
- Badges are based on Rhode Island Computer Science Education Standards.
- Read data from Google Sheets for the badge submissions and to authorize the student via parent/teacher approval before they're reviewed.
- Technologies: Python, Pandas, Google Forms, Google Sheets, Badgr (open source digital badge platform).

## **COMPUTER SCIENCE COURSE WORK**

Object Oriented Programming, Data Structures and Abstractions, Fundamentals of Programming Languages, Software Engineering, Dynamic Web Design & Programming, Database Management Systems, Operating Systems and Networks.