# Michael Goodrum

## Software Engineer

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## SUMMARY

Software Engineer with a background in back-end web development and system optimizations. My biggest interests are in machine learning, data analytics and applied mathematics.

## EMPLOYMENT

**Vlipsy**, *Software Engineer*, Atlanta, GA                                                       Sept. 2017 - Current
• Wrote back end for Bolt video sharing app in Node.js + ffmpeg
• Created tool using ffmpeg that allows for multiple manipulations to media assets including compression, metadata changes and codec conversions
• Participated in developing an internal dashboard for content team use for managing internal assets
• Developed an internal ranking system for media content for search result optimization
• Developed various custom internal tools for partner integrations
• Developed API for use across all client integrations
• Worked on Android, iOs, iMessage, Skype, Facebook Messenger, Viber, and Slack integrations
• Participated in overall architecture design and system optimizations

**Protiviti**, *Data & Analytics Intern*, Atlanta, GA                                          May 2017 - July 2017
• Developed an interactive dashboard for the client's executive team to use for financial reporting hosted on the Design Studio Business Objects platform connected to the company's data warehouse.
• Developed tool for condensing repeated and/or unorganized information to reduce data warehouse storage
• Implemented AWS e-mail notification system for tracking newsletter send outs

## EDUCATION

**Georgia Institute of Technology**                                                            May 2016 - Dec. 2018
BS Computer Science 2018
Concentration: Computational Theory

**Georgia Perimeter College**                                                                  Aug. 2013 - Dec. 2015
AS Computer Science 2015

## SKILLS

**PROGRAMMING LANGUAGES:** JavaScript, C, C++, Java, Python, HTML, CSS
**FRAMEWORKS & PLATFORMS:** Node.js, Express, React, MongoDB, Git, KeenIO, D3, Latex, SQL, ffmpeg, React Native, Firebase, Algolia, Mocha, Angular
**AWS:** Lambda, IAM, CloudWatch, CloudFront, S3, SNS, RedShift, DynamoDB, Simple Email Service, CloudFormation, Elastic Transcoder

## PROJECTS

Bus Location App                                                                               June 2019 - Current
Web app that displays the location of buses using their live location
Created in React with Google maps and Firebase for storing the GPS locations
React native app included, used for tracking each bus. Drivers login to app at the beginning of each shift

Bolt Video Editing App                                                                         Jan. 2019 - Current
Video editing application that allows you to add video stickers and other animation effects to images and videos
Created in react native, the platform uses ffmpeg to do all mp4 manipulations including audio conversions and video codec manipulations

Image Classification                                                                           Sept. 2018 - Nov. 2018
Naive Bayes application for recognizing hand written 8x8 pixel images from the MNIST data set

Vlipsy App                                                                                     Sept. 2017 - Current
Video sharing application for embedding short videos inside chat conversations in various messaging platforms