ARCHIT RATHI

http://architrathi.com/ | 904-735-8890 | architrathi10@gmail.com | https://github.com/progdude |

Work Experience

Software Development Intern — Amazon   **05/2017-08/2017**
 - Found and preprocessed datasets as an AWS Deep Learning Intern under the Rekognition team.
 - Established a pipeline that would allow the users to extract information from a large dataset so better inferences could be made about the specific dataset. (Done primarily in Python)

Software Development Intern — Florida Blue   **05/2016-08/2016**
 - Used D3 w/ React to create a portal business leaders across the corporation could use to examine business cases
 - Worked directly under the CIO to improve the efficiency of the onboarding process: focus groups reported that time was reduced from 45 minutes to 20
 - Experimented with Oculus Rift and Google Glasses for potential use cases in health care

Education

University of Florida: Bachelors in Computer Science and Statistics, 3.5 GPA, 2019

Selected Projects - https://github.com/progdude

Learn Shrine - http://learnshrine.com/
A website I built that teaches its users the math and magic behind neural networks in a fun and interactive way. The stack includes technologies such as Flask, MySQL, and React. Over 300 hits within the first two hours.

Solvr - http://solvr.bitballoon.com/
A program that uses a Computer Algebraic System(CAS) to solve any sort of linear or quadratic equation. Delivers not only the answer to these equations, but also step by step solutions.

Face Detection – https://github.com/progdude/COP3503-Final-Project
Used the FisherFaces algorithm in OpenCV with C++ to create a security program that only unlocks if it recognizes the user's face

KodeWorld - http://kodeworld.com/
Project that teaches students how to code HTML, CSS, and JavaScript all in the browser. Built using technologies such as Node.js, Express, and MongoDB. At it's height taught around 500 students.

Drawr - https://goo.gl/6Xe20X
An iOS application that allows the user to draw a picture in the place of a keyboard and then send it as a text message. Made with Swift and CoreGraphics.

SchoolScoop - http://www.catapultincubator.org/
-Programmed the Ruby on Rails backend for the website that at its peak, was used by over 3000 users.
-Held and organized business meetings with education professionals in the Boston area to sell them our service.
-An initiative of Catapult Incubator (exclusive program held at Harvard that helped students create their own company)

CodePath University - https://github.com/andreiyugurau/TracMe
Created an iOS app as an initiative of CodePath University scholar student, an exclusive program that teaches college students the same skills they would teach to developers at major companies such as Google and Dropbox.

Extra-Curricular Activities

Former ACM Webmaster - Redesigned site and added many innovative new features such as a resume repository, where companies can access the resumes of students, and a coding tutorial, which taught new programmers how to code (MEAN stack)

University of Florida Hackathoners - Attended over 12 hackathons during my past two years of college