

Deval Parikh

<http://devalparikh.me>

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EDUCATION

- **George Mason University** Fairfax, VA
Bachelors of Science in Computer Science; GPA: 3.85 *August 2017 – May 2021*
 - **Dean's List:** 2017 - Present
 - **Relevant Courses:** Data Structures, Object Oriented in Java, Python , C, Linear Algebra, Discrete Math

PROJECTS AND ACTIVITIES

- **RecipeMaker REST API Alexa Skill (Node.js/Express)** Amazon AWS Hackathon
Developer *June 2018 - July 2018*
 - **Objective:** Developed an Alexa Skill to minimize household wasted foods by creating recipes based on ingredients
 - **AWS Lamda/NodeJS:** Developed Lambda functions to augment recipes based on real-time ingredient data
 - **AWS Dynamodb NoSQL Database:** Implemented scalable backend to store data with CRUD functionality
- **PhotographyToolKit (Python Script)** Personal Project
Python Developer *May 2018 - Present*
 - **Objective:** Developing a script to manipulate entire albums of photos based on content, format, and size
 - **TensorFlow Object Detection API:** Implementing the object prediction algorithm to sort collections of photos based on content of the images
 - **Pillow Python Library:** Implementing the Pillow library for the script to be able to create and organize folders for the photos
- **YouOwe (Swift)** Personal Project
IOS Mobile Developer *March 2018 - Present*
 - **Objective:** Developed an open source mobile platform to manage debt - 1,552 Itunes downloads
 - **Xcode/Swift:** Programmed calculations and designed a user interface with constraints using Swift
- **Parkinson's Disease Prediction Research Model** Intel Science and Engineering Fair
Bioinformatic Contestant *April 2016 - February 2017*
 - **WEKA Data Mining:** Analyzed over 10,000 medical patient data from Parkinsons Progression Markers Initiative. Used Weka Open Source machine learning algorithms (j48 classifier and 10 fold cross validation)
 - **Microsoft Excel:** Organized data to be formatted for Weka
 - **Award:** Awarded Honorable Mention in 2016 Intel Science and Engineering Fair

EXPERIENCE

- **Software Development Club, George Mason University** Fairfax, VA
Co-Founder/President *August 2018 - Present*
 - **Objective:** Helping over 35 students grow a passion for software development and learning new technologies by working on products and competing at Hackathons — <https://sdcgmu.org>
 - **Workshops:** Hosted an introduction to Swift (iOS) programming workshop at PatriotHacks (GMU Hackathon)
- **Science Cosmos** Ashburn, VA
Course Director and Teacher *May 2018 - August 2018*
 - **Responsibilities:** Created STEM-related curriculums and lead courses of 45+ students
 - **Skills:** Teaching courses such as, Python - Intro to Programming, HTML/JS/CSS - Intro to Web Development
- **Foobee Startup** Fairfax, VA
Software Engineering Intern *January 2018 - April 2018*
 - **Objective:** Developing a social platform on mobile devices — <https://gofoobee.com>
 - **ReactNative:** Worked on new modular components for displaying front-end elements, such as chat and profile
 - **Firebase:** Helped implantation of real-time database allowing access to chat, user profile, and other app data

SKILLS

Technical: Python, Java, C, Node.js, Swift, HTML, CSS, Javascript, ReactJS

Other: AWS, GIT Version Control, Jupyter Notebook, Latex, VIM, Windows OS, Linux, Adobe Creative Suite, Microsoft Office Suite, Unity Game Engine 3D, Blender, Eclipse IDE, WEKA, Express