

# Deval Parikh

<http://devalparikh.me>

<https://github.com/devalparikh>

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## EDUCATION

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- **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

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- **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 generate recipes based on real-time ingredient data
  - **AWS Dynamodb NoSQL Database:** Implemented scalable backend to store and modify user data
- **PhotographyToolKit (Python Script)** Personal Project  
*Python Developer* *May 2018 - Present*
  - **Objective:** Engineering a system to manipulate entire albums of photos based on content, format, and size
  - **TensorFlow Object Detection API:** Implementing an object prediction algorithm to sort collections of photos based on content of the images
  - **Pillow Python Library:** Integrating 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 for keeping records of monetary debt
  - **Xcode/Swift:** Implemented Core Data framework for local data persistence and UIKit framework for front-end
- **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

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- **Software Development Club, George Mason University** Fairfax, VA  
*Co-Founder/President* *August 2018 - Present*
  - **Objective:** A collaborative effort on expanding campus involvement for real world software development applications — <https://sdcgm.org>
  - **Workshops/GMU Hackathon:** Hosted an introduction to Swift (iOS) programming workshop at PatriotHacks
- **Science Cosmos** Ashburn, VA  
*Course Director and Teacher* *May 2018 - August 2018*
  - **Responsibilities:** Created STEM-related curriculums and led 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 modular components for displaying front-end elements, such as chat and profile pages
  - **Firebase:** Helped implantation of real-time NoSQL database populating data to chat and user profile pages

## SKILLS

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**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