

# Deval Parikh

<http://devalparikh.me>

<https://github.com/devalparikh>

Email: [dparikh4@gmu.edu](mailto:dparikh4@gmu.edu)

Mobile: +1-703-980-6519

## EDUCATION

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- **George Mason University** Fairfax, VA  
*Bachelors of Science in Computer Science; GPA: 3.82* *August 2017 - May 2021*
  - **Dean's List:** 2017 - Present
  - **Relevant Courses:** Algorithms, Data Structures (Java), Object Oriented (Java), Internet Scale Applications, Concurrency, Machine Learning, Low-Level Programming (C), Compilers, Computer Systems Architecture, Software Engineering, Discrete Math, Formal Methods and Models, Linear Algebra, Probability and Statistics

## EXPERIENCE

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- **Capital One** McLean, VA  
*Software Engineering Intern* *June 2020 - August 2019*
- **Reinventing Geospatial, Inc (RGi)** Fairfax, VA  
*Software Engineering Intern* *May 2019 - August 2019*
  - **Objective:** Worked on the geospatial performance enhancing proxy team. Contributed to the full-stack web application. Familiarized with CI/CD pipelines and Agile tools like GitLab and Jira
  - **Javascript/React-Redux:** Developed many client-side features that increased the efficiency of user interactions with the services, logs, and dashboards
  - **Python/Django/SQL:** Implemented features for back-end services for map data caching and tile rendering. Developed, tested, and optimized API endpoints for application features
- **FlipFeed (Full Stack)** Personal Project  
*Project Developer* *May 2020 - Present*
  - **Objective:** Designed and developed a highly scalable system for a social networking application for real estate renovations
  - **MongoDB/Express/NodeJS/React:** Developed API services, such as user authentication, profiles, posts, etc. using NodeJS and served a modern user interface using ReactJS
  - **AWS/Infrastructure:** Used AWS EC2 and AWS S3 to deploy Docker containerized microservices for the entire application, developed CI/CD pipeline with CircleCI, integrated NGINX for load balancing
  - **ML/Data:** Implemented a collaborative filtering based recommendation system evaluating using RMSE, developed a custom search system using TF-IDF based scoring and Redis LRU Cache for optimizing search time performance.

## LEADERSHIP AND AWARDS

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- **PatriotHacks - George Mason University Hackathon** Fairfax, VA  
*Co-lead of iOS Workshop/Mentor* *August 2018 - Present*
  - **Workshop Lead:** Organizing and leading a yearly introduction to Swift (iOS) workshop, impacting 100+ of students
  - **Student Mentor:** Mentored 250+ university students on various projects including, Python, Java, Javascript frameworks, API implementation from sponsorship companies
- **Bitcamp - EyeBank (API/Python)** Group Hackathon Project  
*Python Back-end Developer* *December 2018 - Present*
  - **Objective:** Developed a solution for easier access to banking for the visually impaired by creating software that integrates a facial recognition model developed using tensorflow and the Capital One API for banking services
  - **Awards:** **1st Place** Best Financial Software Hack - Capital One, **1st Place** Bitcamp Compass Challenge
- **HoyaHacks - Weapon Detection Model (ML/Python)** Group Hackathon Project  
*Python Developer* *December 2018 - Present*
  - **Objective:** Built a software service to detect weapons in real-time camera footage using image classification with YOLO Convolution Neural Network architecture and developed a dashboard using AWS, Google Maps API, HTML, CSS, Javascript
  - **Awards:** **1st Place** Best Software Hack - Microsoft, **2nd Place** Amazon Web Services Hack - Amazon, **3rd place** Overall Georgetown University Hackathon <https://aws.amazon.com/blogs/publicsector/students-hack-for-social-impact-hoya-hacks>

## SKILLS

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**Languages:** Java, Python, C, Swift, Javascript, HTML, CSS, Bash

**Frameworks/Tools:** Unix, Amazon Web Services, React, Redux, NodeJS, Express, Django, SQL, NoSQL, Docker, Yacc, LEX, Scikit-learn, TensorFlow, Jupyter Notebook, Vim, Git Version Control, Jira