RACHIT AGARWAL
STUDENT + FULL-STACK DEVELOPER

✉ rachitag@umd.edu
🌐 rach.me
📞 301-281-3692
in rachitagarwal22
⌨ rachitag22

EDUCATION

University of Maryland, College Park
B.S. Computer Science 2020
3.87 GPA
Technology Entrepreneurship Minor
Design Honors Program (DCC)
QUEST Honors Program
Maryland Images (Tour Guides)

SKILLS & COURSES

LANGUAGES: HTML/CSS/JS, Python, Java, SQL, PHP, JavaScript, C
FRAMEWORKS/TOOLS: Bootstrap, Flask, Play, React, Selenium, JIRA, Confluence, Git
COURSES: Applied Statistics, Data Science, Discrete Structures, Computer Systems, Data Structures, Multivariable Calculus

EXPERIENCE

UNIVERSITY OF MARYLAND
Undergraduate Teaching Assistant

College Park, MD
Fall 2017

Leading recitation sessions for CMSC131 (Introduction to Computer Programming) for ~30 students.

LENDUP
Software Engineering Intern

San Francisco, CA
Summer 2017

• Financial technology startup with a socially impactful mission: Provide anyone with a path to better financial health
• Managed both product and engineering aspects of transaction synthesis project for credit card, including project briefs, feature tickets, design/development roadmaps, and actual coding
• Performed comprehensive data scraping to gather supplemental merchant data for credit card transactions, potentially saving the company ~$1 million over the next year
• Implemented CRON job and integration with mobile app for new transactions (Java controller + Python/Selenium backend service + PostgreSQL database)
• Delivered enhanced transaction & merchant insights to users by implementing front-end changes in Arrow Card app (JavaScript, React Native, GraphQL)
• Enhanced accessibility for vision-impaired users in mobile app, changes are now live in the app store

BOOKHOLDERS
Software Engineering Intern

College Park, MD
Summer 2016, Winter 2016

• Wrote + optimized Python (Selenium server)code using XML templates
• Performed major upgrades (integration with Flask backend, UI/UX overhaul) to internal Android app
• Designed and developed brand-new user dashboard by integrating React.js with Flask backend
• Wrote barcode generation algorithms to dynamically print USPS labels (ASP./NET/VB)
• Scraped websites and order emails to return clean data (Selenium server, Python regular expressions)

PROJECTS

BIPARTISAN
Feb 2017

Flask web app that uses machine learning and natural language processing to find the credibility of news articles. (hophacks-bipartisan.herokuapp.com)

GALILEO
Jan 2017

Flask web app that uses a special pruning algorithm to find the optimal UMD class schedule based on a student's classes and preferences. (hackstreetboys-galileo.herokuapp.com)

PHONEBUZZ
Oct 2016

Flask web app that plays Fizz Buzz with a user through a phone call using Twilio. (rach-phonebuzz.herokuapp.com)

VOLUNTUTOR
Apr 2016

Laravel (PHP) web app that shows tutoring opportunities and requests for school organizations. Created for IB Computer Science Internal Assessment. ((rach-voluntutor.herokuapp.com)