RACHIT AGARWAL

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EDUCATION

University of Maryland, College Park
B.S., Computer Science & Finance
AUGUST 2016 – MAY 2020 | College Park, MD
GPA: **3.81** | In-Major GPA: **4.00**
- **Honors College**: Design Cultures and Creativity (DCC) Program
- **Relevant Coursework**: Object-Oriented Programming II, Calculus III, Intro to Business

PROJECTS & AWARDS
- **Galileo** (Web App – Flask / Python): Uses a special pruning algorithm to find the optimal UMD class schedule based on a student's classes and preferences
- **PhoneBuzz** (Web App – Flask / Python): Plays Fizz Buzz with user through a phone call using Twilio – Created as code challenge for startup internship (rach-phonebuzz.herokuapp.com)
- **Fireberry Pi** (Raspberry Pi / Arduino / Web / Android App – Python): 24/7 gas leak detection and alert system with web and mobile integration – Created at Bitcamp 2016, won prize for Best Use of Internet-Sourced Data and SparkPost API honorable mention (devpost.com/software/fireberry-pi)
- **Voluntutor** (Web App – Laravel / PHP): Tutoring opportunities and requests for school organizations – Created for IB Computer Science Internal Assessment (rach-voluntutor.herokuapp.com)
- **Conext** (Web/Android App – Java): Live video chat app without audio – Created at DCHacks 2015, won 4th place, featured as staff pick on DevPost (devpost.com/software/conext)
- **StopBeat** (Android App – Java): Pauses media playback after specified time –Created at CodeDay Philadelphia 2014
(available on the Google Play Store)

LANGUAGES & SKILLS
- **English**, **Hindi** (Fluent), **Spanish** (Advanced)
- **Design** (Adobe Fireworks, Photoshop) for modern, clean mobile and web interfaces
- **Web scraping** (Python, Selenium server, regular expressions)
- Intermediate **web development** (WordPress, HTML/CSS/JS, ASP/.NET/VB, Laravel, PHP, React.js, Python/Flask)
- Intermediate **Android development** (Java)
- Beginner **iOS development** (Objective-C)

EXPERIENCE

LendUp
Software Engineering Intern
MAY 2017 – AUGUST 2017

FunPop
Partner, Tech Lead
JULY 2016 – OCTOBER 2016
- Organized creative marketing efforts (Facebook, video, community outreach, etc.) for iOS game
- Made various upgrades to FunPop Plus (Objective-C)

Bookholders
Software Engineering Intern
JUNE 2016 – AUGUST 2016, JANUARY 2017 | College Park, MD
- Wrote + optimized Python (Selenium server) code using XML templates to autonomously find and purchase books with the best available prices and conditions
- Performed major upgrades (integration with Flask backend, UI/UX overhaul) to internal Android app
- Upgraded 3-D CSS/JS styling on store website
- Designed and developed user dashboard by integrating React.js with Flask backend
- Wrote barcode generation algorithms and code to dynamically print USPS labels (ASP./NET/VB)
- Scraped websites and order emails to return clean data (Selenium server, Python regular expressions)

Naval Sea Systems Command (NAVSEA)
Engineering Intern
JUNE 2015 – AUGUST 2015 | West Bethesda, MD
- Completed extensive 3-D modeling on brand-new submarine
- Presented models to division's upper management
- Featured in Wavelets magazine for innovative efforts

SBS / Webfinity Designs
Web Development Intern
JUNE 2014 – AUGUST 2014 | Germantown, MD
- Wrote several tech articles on news website, New Edge Drive (www.newedgedrive.com)
- Designed/developed Webfinity Designs' new website