

RACHIT AGARWAL

Full-stack developer seeking 2018 software engineering / product internship



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EDUCATION

University of Maryland, College Park

B.S., Computer Science

AUGUST 2016 – MAY 2020 | College Park, MD

GPA: **3.81** | In-Major GPA: **3.90**

- Minor: Technology Entrepreneurship
- Honors Programs: Design Cultures and Creativity (DCC), Quality Enhancement Systems for Teams (QUEST)
- Coursework: Applied Statistics, Data Science, Algorithms, Discrete Structures, Computer Systems, Advanced Java, Calculus III

PROJECTS & AWARDS

- **Bipartisan (Web App – Flask / Python)**: Uses machine learning and natural language processing to find the credibility of news articles.
(hophacks-bipartisan.herokuapp.com)
- **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
(hackstreetboys-galileo.herokuapp.com)
- **PhoneBuzz (Web App – Flask / Python)**: Plays Fizz Buzz with user through a phone call using Twilio.
(rach-phonebuzz.herokuapp.com)
- **Voluntutor (Web App – Laravel / PHP)**: Tutoring opportunities and requests for school organizations – Created for IB Computer Science Internal Assessment
(rach-voluntutor.herokuapp.com)

LANGUAGES & SKILLS

- **English, Hindi** (Fluent), **Spanish** (Advanced)
- **Design** (Adobe Fireworks, Photoshop)
- **Web scraping** (Python, Selenium, regular expressions)
- **Advanced web development** (WordPress, HTML/CSS/JS, ASP/.NET/VB, Laravel, PHP, React.js, Python/Flask)
- **Database integration** (MySQL, SQLite, PostgreSQL)
- **Intermediate Android development** (Java)
- **Beginner iOS development** (React Native, GraphQL)
- **Beginner product management** (roadmaps, briefs/one-pagers, JIRA tickets)

EXPERIENCE

LendUp

Software Engineering Intern

Summer 2017 | San Francisco, CA

- 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, and design/development roadmaps
- Performing **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)
- Brought 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

Summer + Winter 2016 | College Park, MD

- 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)