Rahul **Sonwalkar**

http://rahul.ru
rahulsonwalkar23@gmail.com | 503.806.7016

Education

University of Texas at Dallas
BS in Computer Science
GPA: 3.7 / 4.0
Graduation: 2020

Links

Github:/ rahulsonwalkar
LinkedIn:/ rahulsonwalkar23
Blog: rahul.ru/blog

Programming

- Java • Javascript • C++
- Python (familiar) • PHP
- HTML & CSS • SQL

Technologies

- Node.js • Express • REST APIs
- Git (version control)
- Mocha (testing) • Chai (library)
- MongoDB • PostgreSQL
- React • Hapi

Coursework

Computer Science II with Java
Computer Science I with C++
Discrete Math for Computing
Computer Architecture
Data Structures & Algorithms

Scholarships

Academic Excellence Scholarship
- 4 year Academic scholarship covers 90% of the tuition.
- Awarded to incoming freshmen with high GPA and SAT scores

Leadership

HackersUTD | Founding President
- Hackathon enthusiast club at UT Dallas.

Student Government | Chair of Technology (Elected)
- Lead a team of 7 Senators in the Technology Committee.
- Successfully pushed for the overhaul of the university-wide NetID system.

Experience

Walmart Labs Summer 2018 | Sunnyvale, CA
Software Engineering Intern
- Built and shipped Walmart Savings Spotter 2.0 (25,000+ active users) in a Full-stack effort.
- Refactored the competitor product match algorithm to increase accuracy by 14%, this increased the surfacing on competitor item pages, resulting in higher click-thru and add-to-cart rates.
- Shipped Walmart's New York Design components for Savings Spotter, added functionality for Google's shopping tab.
- Shipped a system to collect intelligence on the user's shopping behavior on Google and other competitor websites.
- Keywords: Node.js, React, Microservices, Oneops, REST API

Rechat Fall 2017 | Dallas, TX
Software Engineering Intern (Co-Op)
- Backend API and Platform team. Early Engineer.
- Designed and implemented a new email module with Node.js & Mailgun API that is reused across the product's codebase to send any emails.
- Wrote integration tests for new API endpoints, improving total code coverage by 3%. Developed features in React for an internal tool.
- Implemented a system to log feature accessibility by tracking the HTTP calls received on the API. This helped the Product & UX teams understand how users were interacting with certain features.

Projects

Waterview.js | Open-source Javascript module
- Documentation: http://waterview.xyz
- Node.js module that imitates an in-memory NoSQL database.
- Allows quick setup with an API identical to MongoDB, reducing the learning curve.
- Perfect for small prototypes and hackathon projects.

Flyo | 1st Prize, Sabre Hackathon'17
- Built an Amazon Alexa hack enabling users to make travel plans with their friends.
- Worked with Alexa SDK and Sabre Dev Studio and deployed on AWS Lamda in 24 hours.

Gordon (See Github)
- Lightweight team communication tool built inside Command Line Interface (CLI) to increase Dev productivity.
- Built using Node.js and connects to IRC backend.

Fannie Bae | YHack'16 @ Yale University
- Tool to predict depreciation to defaulted assets owned by Fannie Mae.
- Built with Node.js, deployed on Heroku and integrated Google Maps API to create visual representations and draw insights.