

Varun Arora

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EDUCATION

VANDERBILT UNIVERSITY

B.S. IN COMPUTER SCIENCE

B.S. IN APPLIED MATH

May 2019 | Nashville, TN

College of Engineering

LEADERSHIP

VANDYAPPS

PRESIDENT

Organized tech talks, coding competitions, and hack nights for over 400 members

VANDYHACKS

DIRECTOR OF DEVELOPMENT

Led a team of eight to build the software for Tennessee's largest hackathon

CONTRARY CAPITAL

FOUNDING STUDENT PARTNER

Led investment decisions for \$5MM portfolio by regularly evaluating investment opportunities

SKILLS

LANGUAGES

Javascript • C++ • Java

OCaml • Ruby • Bash

Python • F#

TECHNOLOGIES

React.js • Node.js • Android SDK

Git • PostgreSQL • MongoDB

AWARDS & HONORS

FiskHacks Spring 2016 - 1st Place

Codeday NY Spring 2014 - 1st Place

PennApps Fall 2014 - Intel Internet of Things Award

PennApps Winter 2015 - Honorable Mention for Best Health Hack

LINKS

Github:// [avarun42](#)

LinkedIn:// [itsvarunarora](#)

DevPost:// [avarun](#)

EXPERIENCE

MONGODB | SOFTWARE ENGINEER INTERN

May 2018 - Present | New York, NY

- Creating a generational fuzzer for the MongoDB server aggregation pipeline

FACEBOOK | SOFTWARE ENGINEERING INTERN

January 2018 – April 2018 | London, UK

- Worked on the Infer - Static Analysis Tools team.
- Created logging infrastructure in OCaml to allow easy recording of data from directly within the static analyzer.
- Implemented performance logging, discovering runtime performance opportunities to improve issue reporting speed by 15%.

FACEBOOK | SOFTWARE ENGINEERING INTERN

May 2017 – August 2017 | Menlo Park, CA

- Worked on the Messaging Infrastructure, Storage team.
- Created data validation tooling for both the queueing and storage layers of Messenger infrastructure, enabling the removal of extraneous fields & resulting in 10% storage savings.
- Built end-to-end pipeline to simplify debugging process for on-call engineers, allowing easy identification of issues in production and reducing issue resolution time by 20%.

CADRE | SOFTWARE ENGINEERING INTERN

June 2016 – August 2016 | New York, NY

- Created React.js/Redux application for admins to monitor investor activity in company acquisitions.
- Increased efficiency of product demo preparation by over 200% by setting up a demo environment and automating its content population with Python.
- Restructured custom survey library to allow surveys to be easily created throughout the platform.
- Implemented TDD with unit tests and end-to-end tests written in Mocha.js and Nightwatch.js

SELECTED PROJECTS

PEER PRESSURE FiskHacks Spring 2016

- Worked with a small team to create an Android alarm clock app
- Designed and implemented SQLite database to retrieve and store contacts from a user's phone contacts
- Implemented alarm capabilities and feature to call random contact upon snooze using Java

VANDYPLANNER November 2015 - December 2015 | Nashville, TN

- Worked with a partner to create a mobile course planning assistant
- Created multiple scrapers and parsers for Vanderbilt's course catalog in Node.js, including a course detail parser, and a scraper + parser for the sections being currently taught
- Created query language to allow app to retrieve set of courses from database