Varun Arora

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EDUCATION

VANDERBILT UNIVERSITY
B.S. IN COMPUTER SCIENCE
B.S. IN APPLIED MATH
December 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 ENGINEERING INTERN
June 2018 - August 2018 | New York, NY
- Created a generational fuzzer for the MongoDB aggregation pipeline.
- Added server functionality to disable optimizations to allow testing.
- Built a grammar for the MongoDB expression language and aggregation operators.

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