

Varun Arora

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EDUCATION

Vanderbilt University — B.S. in Computer Science and Applied Math, May 2019

EXPERIENCE

Software Engineer, Intern **Facebook** **Menlo Park, CA** **Summer 2017**

- Worked on the Messaging Infrastructure: Storage team
- Created data validation tooling for both the queuing 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%

Software Engineer, Intern **CADRE** **New York, NY** **Summer 2016**

- 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

LEADERSHIP

President **VandyApps**

- Organized weekly meetings consisting of instructional workshops and tech talks for over 200 members
- Developed and taught an instructional curriculum for the Introduction to Web Development workshop
- Organized tech talks, coding competitions, and hack nights in collaboration with tech companies

Director of Development **VandyHacks**

- Led a team of eight to build the VandyHacks website, application platform, judging platform, hacker notification system, & various tools to aid in the process of running Vanderbilt's largest hackathon

Founding Student Partner **Contrary Capital**

- Led investment decisions for \$10MM portfolio by regularly evaluating investment opportunities
- Organized events to foster the growth of Vanderbilt's technology and entrepreneurship ecosystem

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 **Nov. 15 - Dec. 15**

- 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

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

SKILLS

Languages: Javascript, C++, Java, Ruby, F#, Python, HTML5, and Bash

Technologies: Git, Node.js, React.js, PostgreSQL, MongoDB and the Android SDK