

# Varun Arora

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## 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 application for administrators to monitor investor activity in company acquisitions using React.js and Redux
- 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

## EDUCATION

Vanderbilt University — B.S. in Computer Science, May 2019 — Dean's List Spring 2016

- CS 2201 - Program Design & Data Structures
- CS 3276 - Compiler Construction
- CS 3281 - Principles of Operating Systems
- CS 3250 - Algorithms

## 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 the 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

**File.ly HackRU Fall 2014**

- Created a secure and private file-sharing service using 2-factor authentication with a Pebble
- Implemented backend using Node.js and MongoDB to store files and user information, and send emails using SendGrid to file recipients
- Created website front end to upload and download files

## AWARDS & HONORS

FiskHacks Spring 2016 - 1<sup>st</sup> Place

Codeday NY Spring 2014 - 1<sup>st</sup> 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