

# Oindrill Dutta

Full Stack Developer & Software Engineer in Bay Area interested in AI/ML & Data seeking Full-Time Positions

## CONTACT

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## EDUCATION

**GEORGIA INSTITUTE OF TECH**  
**MS IN COMPUTER SCIENCE**  
Specialization in ML | In Progress

**SAN JOSÉ STATE UNIVERSITY**  
**BS IN COMPUTER SCIENCE**  
Graduated June 2018 | 3 Years

## SKILLS

### LANGUAGES

Java • Python • Ruby • C++ • C#  
HTML5 • CSS3 • ES6 JavaScript  
Lisp/Scheme • Scala • SQL • R  
Typescript.js • JSON • XML

### TECHNOLOGIES

JQuery • Node.js • WebSockets • RoR  
React.js • Redux • Polymer • AWS  
Django • Flask • Spring • Express.js  
Firebase • Mongo DB • Tensorflow(.js)

### TOOLS / SYSTEMS

SQL/NoSQL DBs • Ajax • REST APIs  
Linux • Putty • CLIs • NPM • Bower  
Jenkins • JUnits • Apache Tomcat  
⌘ • Agile • Git • Github

## INTERESTS

Machine Learning • Data Analysis  
Back-end & Front-end Engineering  
Full-Stack Development

## VOLUNTEERING

### GOOGLE GAMES CONTEST

1<sup>st</sup> Place Winner  
Problem solved many logical + coding  
challenges in a time-bounded setting

### LIBRARY TECH TOOLBAR

Directed the growth & purpose of the  
library tech toolbar initiative

## LANGUAGES

Fluent in English, Bengali, Hindi

## INDUSTRY EXPERIENCE

### SOFTWARE ENGINEER

React, Redux, Python, Django, PostgreSQL, AWS, NLP

Lawyaw | San Francisco, CA

Oct 2018 - Feb 2019

- Joined as the 3<sup>rd</sup> engineer in a small YC-Backed Post Seed Startup team of 7, taking full ownership of the next flagship document automation product, rapidly iterating and pushing code on a weekly/daily basis to production based on user feedback, product direction, and designs, allowing for exponential growth to more markets
- Took part in shaping the product direction and design by spearheading flagship product development, and supported on call for products used by 100s of law firms with multiple users, with over 130k+ templates generated

### SOFTWARE ENGINEERING INTERN

Java, JUnit, Jenkins, Git, Tomcat, Agile

IBM | San José, CA

Jan 2017 - Sep 2017

- Implemented and deployed multi-dependent application tools suite to production for IBM's DB2 Database Support Management Systems, allowing for easy integration with Salesforce to replace legacy Retain database support systems
- Refactored entire 20k+ line application across 12 repos to allow in-sync builds with each other, saving 500 man-hours per month of development and build time
- Created continuous integration system utilizing Jenkins, with an entire testing suite, to automatically test, push and revert development and production builds
- Fixed 2500+ runtime and compilation bugs of technical debt involving Gradle, Beans, namespacing, DRY code, logic errors, & class, packaging, & method issues

### SOFTWARE ENGINEERING INTERN

Java, JS, SQL, R, Polymer, Android, Shiny

Aeris | Santa Clara, CA

May 2016 - Oct 2016

- Built robust & scalable IoT server for vehicle fleet management, transforming incoming binary OBD & CAN sensor data dumps from 100s of vehicles into human-readable data, then storing in proprietary IoT Cloud SQL databases for logging and analysis
- Developed live interactive IoT dashboard to analyze fleets, displaying fleet locations on maps, graphs of driver safety ratings & live car movement data, & a queryable SQL interface; showcased to CEO & Investors for integration into production SaaS solution

## PROJECTS & AWARDS

### YOGA MASTER: REALTIME YOGA POSE FEEDBACK BEST ML PROJECT

Tensorflow.js, OpenPose, Node.js, ML [github.com/Yoga-Masters](https://github.com/Yoga-Masters) | 1/18 - 6/18

- Architected & lead a team project to use any device webcam to detect yoga poses
- Built an automated training pipeline to scrape 100s of YouTube videos of Yoga professionals, extract relevant frames, run OpenPose to get pose data, pre-process to make it ML ready & train it on a supervised FCNN model of 4000+ rows of pose image data

### MYO MESSENGER: SIGN LANGUAGE TRANSLATOR 1<sup>ST</sup> PLACE PRIZE

Myo, Firebase, Javascript, AI [odutta.me/MyoMessenger](http://odutta.me/MyoMessenger) | Hero Hacks | 8/14

Built an AI app using time-series data to send translated ASL signs for the speech impaired

### LEARN MOTION: MUSCLE MEMORY TRAINER MYO SPONSOR PRIZE

Myo, Pebble, Android, AI [odutta.me/myoSport](http://odutta.me/myoSport) | HackingEDU | 9/15

Built an AI app to record & replay movements to train using any wearable w/ accelerometer

### GLOBAL GRID: LOCAL LIVE MEETUP PAIRING SATORI SPONSOR PRIZE

Satori API, Polymer, Firebase, Node.js [git.io/fA3fS](https://git.io/fA3fS) | AngelHack | 7/17

Built a grid-based geofenced app using live location data to coordinate meetups closely

### VIEW ME: 3D FULL BODY GESTURE CONTROL PUBNUB SPONSOR PRIZE

Pubnub, Xtreme Reality, Autodesk 3D View [odutta.me/ViewMe](http://odutta.me/ViewMe) | AngelHack | 7/14

Built an AI app to control 3D models with any device webcams using arm/torso gestures

### SIMPLE BOTTLE: PRESCRIPTION OVERDOSE MONITOR 1<sup>ST</sup> PLACE PRIZE

Tessel, Android, AerCloud, JavaScript [git.io/fA3JO](https://git.io/fA3JO) | Aeris IoT Hackathon | 4/16

Built a Pill Bottle to control pill dosage according to prescription, sending data to doctors