

Oindrill Dutta

Full Stack Developer & Software Engineer 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

1st 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

- Joined as 3rd 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 product direction and design, spearheading flagship product development, supporting 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

Feb 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

SQL, R, Shiny, JS, Polymer, Android

Aeris | Santa Clara, CA

June 2016 – Sep 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 | 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 1ST PLACE PRIZE

Myo, Firebase, Javascript, AI 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 | 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 | 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 | AngelHack | 7/14

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

SIMPLE BOTTLE: PRESCRIPTION OVERDOSE MONITOR 1ST PLACE PRIZE

Tessel, Android, AerCloud, JavaScript git.io/fA3JO | Aeris IoT Hackathon | 4/16

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