

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
Expected June 2022

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 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, namespaces, 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

FREELANCE WEB DEVELOPER

Rails, JQuery, Heroku, Parse

GuptaChem | Cupertino, CA

Jan 2015 – July 2015

Bootstrapped a responsive E-Commerce + Online Course company site to sell/teach Chem lessons to 100s of students, generating \$1000s in value of leads from SEO Optimization

PROJECTS & AWARDS

YOGA MASTER: REALTIME YOGA POSE FEEDBACK

BEST ML PROJECT

Tensorflow.js, OpenPose, React, Node.js, Firebase, ML github.com/Yoga-Masters

- 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

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

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

VIEW ME: 3D FULL BODY GESTURE CONTROL

PUBNUB SPONSOR PRIZE

Pubnub, Xtreme Reality, Autodesk 3D View, AI

odutta.me/ViewMe | AngelHack

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

GLOBAL GRID: LOCAL LIVE MEETUP PAIRING

SATORI SPONSOR PRIZE

Satori API, Polymer, Firebase, Node.js

git.io/fA3fS | AngelHack

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

SIMPLE BOTTLE: PRESCRIPTION OVERDOSE MONITOR

1ST PLACE PRIZE

Tessel, Android, AerCloud, JavaScript

git.io/fA3JO | Aeris IoT Hackathon

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

OFS: TEMPLATE E-COMMERCE GROCERY SHOP

Polymer, Node, JS, Heroku, Express

github.com/Organic-Food-Store

Built an E-Commerce site + server template w/ product view, cart, and purchase features