Oindril Dutta

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
Dean's Scholar in College of Science

SKILLS

LANGUAGES
Java • Python • Ruby • C++ • C#
HTML5 • CSS3 • ES6 JavaScript
Lisp/Scheme • Scala • SQL • R
Typescript.js • JSON • XML • D3

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
LaTeX • 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   Tara.AI | San Jose, CA
Typescript, Python, React, ML, GCP, Firebase, NoSQL   March 2019 - Current
Joined as the 3rd engineer in a YC-backed Series A startup of 13, now 30+, leading, growing and rapidly engineering the main platform and product, Tara.AI

SOFTWARE ENGINEER   Lawyaw | San Francisco, CA
React, Redux, Python, Django, PostgreSQL, AWS, NLP   Oct 2018 - Feb 2019
- Joined as the 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 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   IBM | San José, CA
Java, JUnit, Jenkins, Git, Tomcat, Agile   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   Aeris | Santa Clara, CA
Java, JS, SQL, R, Polymer, D3, Android, Shiny   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 | 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 closeby

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