Muhammad Rizky Wellyanto

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Fullstack Developer – Aspiring Entrepreneur

Education:

University of Illinois at Urbana-Champaign
- GPA: 3.39
- B.S. Computer Science
- Class of 2018
- Coursework:
  - Data Structure
  - Computer Architecture
  - System Programming
  - Numerical Analysis
  - Web Development
  - Database Systems

Experience:

Everfave – Full-stack Web Developer Intern (Summer 2015)
- Responsible for the mobile app's main interface. Implemented search auto-complete and added auto-pagination, which sped up the main interface up to 200%. Developed using frameworks such as Famo.us, BackboneJS, Ionic and Phonegap/Cordova in Javascript
- Developed the app's back-end REST endpoints in NodeJS with Express.js and integrates it with MongoDB Database. Unit tested the endpoints using Mocha.js framework
- Suggested the CEO to do soft tech pivot from web-based front-end to native after analyzing the productivity of the development team

Foothill College – Teaching Assistant for Robotics and 3D Printing (Summer 2014)
- Helped Instructor teaches Robotics which covers aerial drones that uses ArduPilot as the micro-controller and open source diydrones Java program
- Also helped Instructor teaches 3D printing which covers how 3D printers are built and work, and also rapid prototyping from designing the product up to printing

Projects:

Chimr – Portable home security system with auto messaging (Team of 4)
- Won best communication hack using Twilio API and top 20 on Wildhacks 2015
- Chimr 'box' will text residents when a stranger is detected. Residents can then text messages back to the system which will be shown in the LCD display
- Developed the back-end server using Python + Flask Framework which handles sensor data and text messages to/from the Arduino board housed inside the product

Fawn – AI-powered mobile app that gives real-time shopping suggestions (Team of 4)
- Led a team of four in LincolnLab Hackathon 2015
- Implemented web scraping and various online marketplace API calls to gather product's data which is then analyzed by the custom-built AI using Linear Regression algorithm
- Developed the back-end server in NodeJS + Express Framework with RESTful endpoints

Turnt – Social media that makes throwing parties a breeze (Team of 4)
- Led a team of four in HackSC 2014
- Crowd-funding social media website that let users to host a party and raise resources/money from their connections. Locations and transactions are private
- Developed using AngularJS and Bootstrap with Python + Django as the back-end server

RizkyWelly.com – Personal website full of details of projects and stories (Personal)
- Contains detailed explanations, links to source code, and pictures of personal projects
- Single page application built using AngularJS framework, and hosted in Raspberry Pi server running NodeJS

Yelpy – Social media that allows users to rate their friends (Team of 4)
- Developed in LAHacks 2015. Allows user to rate their friends and comment on it
- Built using Javascript, HTML, CSS, Bootstrap using Python/Django framework

TaskSlave – Simple To-do list Android App that Store and Organizes Tasks (Personal)
- Android app that can store, list and organize tasks. Built in Java, XML, JSON
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Domains / Interests:

- Web Development
- Robotics
- Artificial Intelligence
- Internet of Things
- Augmented Reality

Skills:

Proficient:
- Java
- Javascript + NodeJS
- HTML/CSS
- Leadership/Teamwork

Prior Knowledge:
- C/C++
- Python + Flask/Django
- SQL & NoSQL
- Ruby + Ruby on Rails
- AngularJS
- BackBoneJS
- MochaJS
- Bootstrap
- SEO
- Finance/Business Strategy