

# Muhammad Rizky Wellyanto

Full-Stack Developer – Aspiring Entrepreneur

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## Education:

### University of Illinois at Urbana-Champaign

- GPA: 3.4
- B.S. Computer Science
- Dec of 2017
- Coursework:
  - Data Structure
  - Computer Architecture
  - System Programming
  - Numerical Analysis
  - Artificial Intelligence
  - 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

## Honors / Awards:

- Best communication hack using Twilio API (Wildhacks 2015)
- Honor/Accelerated class of SMAN 8 Jakarta (2013)
- 1<sup>st</sup> Place robotic Cilandak tournament, Jakarta

## Domains / Interests:

- Web Development
- Robotics & AI
- Internet of Things
- Augmented Reality

## Projects:

### Chimr – Portable home security system with auto messaging (Team of 4)

- Won best communication hack using Twilio API 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 (Led Team of 4)

- 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 (Led Team of 4)

- 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)

- Available on Google Play Store. Built in Java, XML, JSON

## Skills:

### Proficient:

- Java
- C/C++
- JavaScript + NodeJS
- HTML/CSS
- Leadership/Teamwork

### Prior Knowledge:

- Python + Flask/Django
- SQL & NoSQL
- Ruby + Ruby on Rails
- AngularJS
- MeteorJS
- BackboneJS
- MochaJS
- Bootstrap
- Android
- SEO
- Finance & Business Strategy