

# Muhammad Rizky Wellyanto

Hacker – Aspiring Entrepreneur

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## Experience:

### PayPal – Software Engineering Intern (Summer 2017)

- Joined PayPal's special projects team, Next-Gen Commerce (NGC)
- Responsible for PayPal's FB Messenger bot and developed customer service feature
- Trained an AI to handle top 6 pain points that covers 49% of total customer issues
- Did user experience research. Measured the bot's effectiveness: 75% success rate
- Potentially reduce Customer Service Team's workload by 38%

### Yahoo – Software Engineering Intern (Summer 2016)

- Responsible for cost tracking tool that monitors all groups resources usage across Yahoo's data centers (grid) around the world
- Built an automated onboarding system which allows groups to request access to the grid and onboard their projects in matters of minutes. Potentially cut grid requests SLA time from 3hrs to 1hr
- Implemented an auto-complete web-component. Updated all 'user' input form to have autocomplete feature with a latency of less than 20ms

### Everfave – Full Stack Developer (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 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
- Developed the Android client's main interface

## Education:

### University of Illinois at Urbana-Champaign

GPA: 3.35

Bachelor: Computer Science  
(December 2017)

Master: Computer Science  
(May 2019)

Courses:

- Machine Learning
- Web Development
- Artificial Intelligence
- Distributed Systems
- UI Design

## Skills:

### Proficient:

- JavaScript + NodeJS
- Unity
- Java + Android
- C/C++
- Leadership & Teamwork

### Prior Knowledge:

- Robot Operating System
- OpenCV
- Python + Flask/Django
- SQL & NoSQL
- Ruby + Ruby on Rails
- React + Native
- AngularJS/EmberJS/Any

## Interests:

- Mixed/Augmented/Virtual Reality
- Robotics & AI/ML & Bots
- Web Development

## Honors / Awards:

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

## Projects & Publications:

### VRID – Virtual Reality for Interior Design (Led Team of 4)

- Research project in Computer-Human Interaction under Professor Ranjitha Kumar
- Developed Interior Design application using Unity engine and Oculus Rift
- Currently writing a research paper on effectiveness of VR application

### 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