

Muhammad Rizky Wellyanto

Hacker – Entrepreneur

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Experience:

PayPal – Software Engineering Intern (Summer 2017)

- Joined PayPal's special projects team, Next-Gen Commerce (NGC)
- Initiate & Developed customer service feature for PayPal's chat bot in FB Messenger
- 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% or 3500 hours/month

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
(May 2018)

Master: Computer Science
(May 2019)

Courses:

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

Skills:

Proficient:

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

Prior Knowledge:

- AngularJS/EmberJS/Any
- React + Native
- Matlab
- Robot Operating System
- OpenCV
- Python + Flask/Django
- SQL & NoSQL
- Ruby + Ruby on Rails
- Data Extraction & Analysis
- User Experience Research
- Agile & Scrum
- Rapid Prototyping

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
- 1st 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 PhD
- 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