

Abram Perdanaputra Situmorang

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Education

Institut Teknologi Bandung

Bandung, Indonesia

Bachelor of Computer Science (2016 to approx. July 2020)

Cumulative GPA: 3.88 / 4.0 (5 semester)

Experience

Bukalapak

Jakarta, Indonesia

Software Engineering Intern | Backend - Chat Team

December 2017 – March 2018

- Created chatbot engine system and RESTful API for multiple bot management using Elixir and MongoDB.

Dagozilla

Bandung, Indonesia

Programming Squad

August 2018 – Present

- Created robot control UI using React.
- Developed and implemented the robot's communication system using Socket.IO.

Side Projects

- **Moneywell**: Using Swift 4, I developed and led the development of iOS application for introducing children to financial technology with family monitoring.
- **Fast Style Transfer**: Trained a fast style transfer based on *Justin Johnson et al* using TensorFlow.
- **Pro-Book**: Microservice based bookstore web application with the most beautiful design.
- **Berudu**: High performance and user friendly one stop news iOS app used to aggregate articles to give a personalized feed to the user.
- **Sliding Window Protocol**: Implemented a vanilla Sliding Window Protocol using UDP Socket to achieve lossless data transfer.
- **Reinforcement Learning Agent Pong**: Implement a Vanilla RL Agent to play Atari game Pong using only NumPy library.
- **ArkavQuarium**: Using Java, implemented SOLID principles to make a replica of Insaniquarium game with complete unit testing using JUnit.

Achievements

- **Jenius Co-Create Hackathon (2019)**: Finished top 4 out of 500 participants.
- **Finalist of the South East Asia Indonesia 2018 ICPC (2018)**: Finished 41st out of 500 contestants.
- **Indonesia National Contest (2018)**: Finished 7th place.
- **PyTorch Scholarship from Facebook awardee (2018)**: Scholarship to introduce people around the world to the field of Machine Learning and PyTorch as one of the framework.

Skills

Swift, C++, Python, JavaScript, UIKit, TensorFlow, PyTorch, React, Node.js, ROS, Git, CMAKE.

Certification

Coursera - Machine Learning by Andrew Ng: High level of understanding in Machine Learning concepts