

# Abram Perdanaputra Situmorang

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## Education

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Institut Teknologi Bandung

Bandung, Indonesia

Bachelor of Computer Science (Graduation : July 2020)

Cumulative GPA: 3.88 / 4.0 (5 semester)

## Experience

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Bukalapak

Jakarta, Indonesia

Software Engineering Intern / Backend - Chat Team

December 2017 – March 2018

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

Dagozilla

Bandung, Indonesia

Programming Squad

August 2018 – Present

- Designed robot software to compete in Indonesia's biggest college robot competition using ROS Framework.

## Side Projects

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- **Moneywell**: iOS application for introducing children to financial technology with family monitoring using Swift and Xcode framework.
- **Fast Style Transfer**: Trained a fast style transfer based on *Justin Johnson et al.*
- **Pro-Book**: Microservice based bookstore web application with the most beautiful design.
- **Berudu**: High performance and user friendly one stop news 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.

## Skills

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- Languages: Swift, Java, C/C++, Python, JavaScript, MATLAB, Elixir, PHP.
- Technologies: Node.js, ROS, MySQL, Git, Keras, TensorFlow, PyTorch, NumPy, Scikit-Learn.

## Certification

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

## Achievements

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- **Finalist of the South East Asia Indonesia 2018 ACM-ICPC (2018)**: Finished 41st out of 500+ contestants
- **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.
- **Jenius Co-Create Hackathon (2019)**: Finished top 10 out of 500 participants.