

# Abram Perdanaputra Situmorang

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## Education

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<b>Institut Teknologi Bandung</b>	<b>Bandung, Indonesia</b>
<i>Bachelor of Computer Science (2016 to approx. July 2020)</i>	<b>Cumulative GPA: 3.88 / 4.0 (5 semester)</b>

## Experience

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<b>Tokopedia</b>	<b>Jakarta, Indonesia</b>
<i>Upcoming Software Engineering Intern   iOS Team</i>	<i>Summer 2019</i>

<b>Bukalapak</b>	<b>Jakarta, Indonesia</b>
<i>Software Engineering Intern   Backend - Chat Team</i>	<i>December 2017 – March 2018</i>

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

<b>Dagozilla</b>	<b>Bandung, Indonesia</b>
<i>Programming Squad</i>	<i>August 2018 – Present</i>

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

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- **WWDC 2019 Scholarship Awardee (2019)**: Invited to attend to Apple's biggest event of the year. One of 350 awardee worldwide.
  - **Jenius Co-Creat Hackathon (2019)**: Finished top 4 out of 500 participants.
  - **Fintech Hackathon by Kemenristekdikti (2019)**: Finished top 6 out of 120 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

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