

Abram Perdanaputra Situmorang

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Education

Institut Teknologi Bandung	Bandung, Indonesia
<i>Bachelor of Computer Science (2016 to approx. July 2020)</i>	Cumulative GPA: 3.83 / 4.0 (6 semester)

Experience

Tokopedia (Alibaba Group)	Jakarta, Indonesia
<i>Software Engineering Intern iOS Team</i>	June 2019 - August 2019

- Implemented mission critical application tasks such as Onboarding Screen and Review Page.
- Implemented a login widget that increases login rate up to 4%.
- Initiated Bazel build system for Tokopedia iOS App to reduce CI build time.
- Implemented trackers to track user experiences throughout Tokopedia App.

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

- Implemented multi-messenger bot that can be managed using single and unified API using Elixir.
- Implemented high performing and highly concurrent database system for bot above using MongoDB.
- Improved Bukalapak's chat system by removing bugs and code improvements.

Projects

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- **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 Scholar (2019)**: Awardee of 2019 WWDC Scholarship
 - **GrowAsia Hackathon (2019)**: Winner out of 31 teams across Southeast Asia
 - **Jenius Co-Create 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

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