

Ramos Janoah Hasudungan



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Education

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- Computer Science Major, Bandung Institute of Technology (ITB) 2014 - 2018
 - GPA: 3.50
 - St. Aloysius I Senior High School 2011 - 2014

Experience

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- Software Engineer at Prosa.ai (Part Time) February 2018 - July 2018
Collaborate and cooperate in text team of Prosa.ai, do all duties in the team, and also create microservices and library modules of text processing, such as:
 - Indonesian language tokenizer using regular expression
 - Indonesian rule-based phrase chunker
 - Indonesian word normalizer using rule-based and n-gram language model
 - Indonesian relation detector to detect relation of named entity in a sentences using CNN-SVM
 - Data Scientist Intern at Bukalapak.com June 2017 - August 2017
 - Collaborated and cooperated in Transaction and Customer Email (TRANCE) squad, and did all duties in the team
 - Did graph clustering using *dengraph* algorithm to cluster users based their activity, e.g buying, selling, and subscribing another user.
 - Created graph visualization using d3.js
 - Database Lab Assistant Coordinator at ITB September 2017 - July 2017
 - Help lecturer to preparing and evaluating assignment of database course.
 - Share experience and knowledge between lab members

Skills and Knowledge

- Programming languages: Python, R, SQL, JavaScript, Java, C, C++, C#, PHP, Haskell, Golang
- Machine Learning: Shallow Machine Learning (Naive-Bayes, Decision Tree, Random Forest, SVM, CRF) and Neural Network (MLP, CNN, LSTM)
- Strong Natural Language Processing understanding, especially text
- Data Cleaning, Data Analysis, Data Visualization using Python, R, and Tableau
- Database Design and Management using MySQL and PostgreSQL
- Library: TensorFlow, Keras, PyTorch, sklearn, e1071, H2O, bs4, d3.js
- Capable of working in several work method, such as Waterfall and Agile Scrum.

Projects

- Emotion Classification on Chat Text July 2017 - May 2018
 - Create model to classify text to its emotion, as a final project in Bandung Institute of Technology.
 - Use python, sklearn (SVM, Random Forest, KNN), Keras and Tensorflow (LSTM)
- Astronacci International Database System Nov 2016 - July 2018
 - Contributed as back-end developer to create a web-based database system of Astronacci, a firm from Indonesia that engaged in trading and research. The database system was made for admin of the company and their seller.
- Scraper for YouTube and StackOverflow
 - created using python and library BeautifulSoup.
- ITB Career Center Website March 2017 - May 2017
 - Contributed as back-end developer to create a a website for ITB Career Center, one of the organizations in ITB that provide information about career vacancy. The website is made to give information about vacancy, event, news, and also information about entrepreneurship group that supported by ITB Career Center.
- File Compressor March 2016
 - Created program that is similar to WinZip for compressing files, created using C++ and Visual Studio. My responsibility in team is making a Huffman Tree to compress the file.

Other Activities

- Treasurer of *Arkavidia IT Festival* April 2016 - November 2016
 - Did a financial planning for *Arkavidia IT Festival*, an event by Informatics Student that involves all Informatics Student in ITB and other University.
- Field Coordinator on New Student Association Member Acceptance Event (2017)
 - Led forum that consist of 150 new student.
- Elder of Flag Hoisting Troop Organization (*Paskibra*) 2014 - January 2018

Flag Hoisting Troop is '*Paskibra*' in Indonesia.

 - Coached the regular member of organization
 - Made a system for organization.
- Human Resource Management on New Student Association Member Acceptance Event (2016)
 - Did a recap of all new student performance in the event.

Language Proficiency

- Native Indonesian
- Proficient in English