Linggih Saputro

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EDUCATION

- **University of South Florida : Fulbright Scholarship Recipient** — Tampa, FL
  Master of Science in Bioinformatics and Computational Biology; GPA: 3.49/4.00 — *Aug. 2016 – May. 2018*

- **University of Indonesia** — Depok, Indonesia
  Bachelor of Science in Chemistry; GPA: 3.16/4.00) — *Aug. 2010 – July. 2014*

EXPERIENCE

- **Konvergen.AI** — Jakarta
  Artificial Intelligence Engineer — *July 2018 - now*
  - **Research and Prototyping**: Implement various deep learning techniques. For examples, image segmentation (semantic and instance), object detection and natural language processing in order to gain the relevant information for the customers. Develop the prototype, validate the results, test the performance of the models.
  - **Deployment**: Design, develop and deploy the production grade of AI solutions.
  - **Frameworks**: Using Pytorch(1.x.x)/Tensorflow(1.x) from prototyping to production. Debugging in C++ and Python.
  - **Data Related**: Contribute accelerating data collection using synthetic data and pseudotagging. Create retraining platform to alleviate the updating model procedure.

- **BeOne Solution, PT** — Jakarta
  SAP B1 Junior Consultant — *Dec. 2014 - Oct. 2015*
  - **Consulting**: Mapped the client's technical and business requirements. Provided recommendation on technical solutions to implement based on findings. Presented at weekly client meetings to update and flag any potential red flags.
  - **Technical**: Modified user defined field based on client's requirements using SQL and assisted the implementation, led to less time usage.

OTHER ACTIVITIES

- **Zoohackthon 2019** — Kinabalu, Malaysia
  First place winner — *Nov 15, 2019*
  - **Solution**: Using deep learning to automatically extract key information in online news articles to shorten the time spent on manually reading these articles that would be typically done by analysts working on a certain case in counter wildlife trafficking efforts.

- **Mosquitos Zones HackZika by Tampa Bay Python Group** — Tampa, FL, USA
  Second place winner — *Sep 27, 2017*
  - **Solution**: Using decision tree to prioritize which zones or areas that are needed to be sprayed, based on the request calls for spraying in those areas

- **Bounty Hunter Hackathon by TeamWERX** — Tampa, FL, USA
  Second place winner — *May 12-13, 2017*
  - **Solution**: Predicted location of hijacked cargo ship using linear regression to project its trajectory using Python, Planet API and QGIS coordinates. Led a team of three

ON-SITE COURSES

- **Integrated Mathematical Oncology Workshop**: Connecting the microenvironmental niche to treatment response in ovarian cancer (https://www.biorxiv.org/content/10.1101/452052v1).
- **Dr. Rays Jiang's Lab**: Helped implementing the algorithm for single cell sequencing technique, observed the growth and separated cell lines into single cell.
- **Fulbright Pre-Academic Program**: at Mississippi State University (July 16 - Aug 6, 2016).
- **Institute of Indonesia Chartered Accountants**: Applied Tax Training Brevet A&B and C.
- **Bina Nusantara (BINUS)**: Computerized Accounting.

ONLINE COURSES

- **Coursera**: Neural Networks and Deep Learning
- **Udacity**: Predicted Bostong housing price using decision tree, Customers Segment using K-means clustering, Predicted suitable donors using SVC, Trained a virtual smart cab in reinforcement learning simulation, Classified CIFAR dataset using convolutional neural network