ALBERTUS ANDITO

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Soon-to-be Computer Science graduate with a year of experience in industry as a software engineer. Interested in machine learning and natural language processing, as well as their applications in real-life problems. Proven skills in building and maintaining systems. Always embrace rapid changes of technology and not afraid to learn something new to solve problems and innovate.

EDUCATION

SEP 2017 – JUN 2021

BSc (Hons) Computer Science (with an industrial placement year), University of Sussex

Final Year Project topic: "Using Dynamic Knowledge Graph for Fake News Detection". I built a system where an existing knowledge base can be extended with semantic triples extracted from trusted news articles. The fake news detection is done by comparing the to-be-verified facts from the news with the knowledge base. Overall second year result: **84%**. Overall result: **1ˢᵗ class (expected)**

Relevant Modules: Natural Language Engineering (89%) ● Advanced Natural Language Engineering (86%) ● Software Engineering (85%) ● Fundamentals of Machine Learning (71%) ● Databases (92%) ● Computer Networks (92%) ● Introduction to Computer Security (92%) ● Compilers and Computer Architecture (90%)

WORKING EXPERIENCE

MAY 2020 – PRESENT

Research Assistant, University of Sussex

- Applying Natural Language Processing techniques to a collection of diary types of texts to be visualised on maps, as well as working with their metadata, as part of the ongoing Mass Observation Visualisation project, in collaboration with the Linguistics department.

OCT 2020 – PRESENT

Full Stack Developer, PPI United Kingdom

- A voluntary position with Data and Digital Technology division of Indonesian Student Association in UK.
- Main project: developed a database portal of all Indonesian student profiles in the UK, which can be accessed by the students. Focused on the backend and authorization (SSO) development, with some contributions in the frontend development.
- Technologies used: NodeJS, Express REST API, MongoDB, OAuth2, React JS.

OCT 2020 – MAY 2021

Student Demonstrator, University of Sussex

- Assisted tutor on first year modules (Introduction to Programming and Further Programming) lab sessions by helping students and answering student queries with Java programming.

JUL 2019 – SEP 2020

Software Engineer Intern, Oracle, Reading

- 1-year internship with Adaptive Intelligence Applications framework team, which is responsible for building a machine learning framework to be used by Oracle's applications.
- Helped internal customers to use our machine learning framework (e.g., by writing code examples). Also created an automated end-to-end testing for our services.
- Developed the machine learning framework components, using Kanban agile methodology. Involved in implementing new features, fixing bugs, deployment, as well as maintaining the framework.
- Expanded my ability to write high-quality and clean production code using design patterns.
- Main technologies used: Java, Docker, Kubernetes, Oracle Cloud Infrastructure, Git

JUL 2018 – AUG 2018

Tech Intern, OLX Indonesia, Jakarta

- Created desktop application using Electron and ReactJS used by the finance department to compare payment transactions data in two Excel files with different structures.
- Developed OLX PWA (Progressive Web App) by using React-Redux, React-Loadable, and service worker.

VOLUNTARY EXPERIENCE

AUGUST 2019 – OCTOBER 2019

Instructor, Oracle's Kids Who Code

I taught basics of coding to kids aged 10 using simplified Java language as part of Oracle UK programme.

SEP 2017 – MAY 2018

Poster Designer, Building Futures (ISC Sussex)

I was responsible for designing posters promoting our charity events.

SKILLS

- Java
- Python
- JavaScript
- React JS
- Bash

- SQL
- Docker
- Kubernetes
- Helm
- Git

- Object-oriented programming
- Agile software development
- Natural language processing
- Machine learning
- Cloud computing

HONORS & AWARDS

Above and Beyond Award

JUN 2020, Oracle

An award for intern that has exceptionally exceeded expectations throughout the placement. Out of 49 interns, there were 6 interns that received awards, including this award.

Certificate of Outstanding Academic Achievement

JAN 2018, University of Sussex International Study Centre

This certificate was given by the STEM department of University of Sussex International Study Centre for my outstanding academic achievement across all modules in Semester 1.

Certificate of Merit as a Finalist of the 9th National Young Inventors Award (NYIA) 2016

SEP 2016, Indonesian Institute of Sciences (LIPI)

The certificate was given for my invention, Refrigerator Wings Hanger (Hanger Sayap Kulkas), which now has a copyright issued to it.

ORGANISATION

Persatuan Pelajar Indonesia Brighton (Indonesian Student Association in Brighton)

SEP 2017 – PRESENT

University of Sussex Indonesian Society

DEC 2018 – JUNE 2019, President

I initiated the creation of Indonesian Society in my university. Our goal is to promote Indonesian culture throughout the campus.