

KEVIN YUDI UTAMA

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EDUCATION

Bandung Institute of Technology

BS Computer Science *GPA: 3.93 / 4.00*

Bandung, Indonesia

June 2012 - Oct 2016

INDEPENDENT PROJECTS

Falton Physics Engine *C++*

<http://kevinyu.net/portfolio/falton/>

Falton is a 2D rigid body physics engine. I started this project after being inspired playing Limbo.

What makes Falton different from another physics engine is that Falton let user to choose broadphase algorithm that suit their game. There are four broadphase algorithm in Falton2D currently. They are : Bounding Volume Hierarchy, Uniform Grid, Hierarchical Grid, and Quad Tree

Coderadar *Java*

<http://kevinyu.net/portfolio/coderadar/>

This is a competitive programming contest reminder app for Android. Currently, coderadar is downloaded by more than 1000 user.

WORK EXPERIENCE

Traveloka

Data Engineer

Jakarta, Indonesia

Nov 2016 | May 2017

- Create and maintain a real time data pipeline with memsql.
- Creating the supporting facility for the database like alert and monitoring.
- Develop a self-service UI tool for data analyst to create specific data stream.
- Migrate data from old kafka to new kafka cluster using kafka mirror.

Virtuoso

Game Programmer Intern

Bandung, Indonesia

- Rewriting their game "Smart Ranch" to Android. In Smart Ranch, kids will help Grandpa to maintain his barn by solving basic puzzles. Unlike Blackberry, a typical Android smart phone doesn't have any physical keyboard. Thus, I need to utilize handwriting recognition for numerical input. This turn out to be a more intuitive input method than pressing the keyboard. Besides solving the puzzle, kids will learn how to write number correctly.

Traveloka

Software Engineer Intern

Jakarta, Indonesia

June 2015 | August 2015

- Create a class dependency visualization tool to help Traveloka maintain codebase and locate performance bottleneck.

SKILLS

Programming Languages: Java, C, C++, Python

AWARDS

Top 15 ACM-ICPC Regional 2013

ACM

I compete in an international competitive programming contest held by ACM. Solve 6 out of 10 problems in 5 hours.

Oct 2013