

Algan Binggi Rustinya

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EDUCATION

UCLA, Los Angeles, CA, USA — Computer Science

September 2015 - December 2017

- Cumulative GPA: 3.41/4.00
- Course highlights: Algorithm, Mathematical Modelling, Artificial Intelligence, Data Mining, Machine Learning

EXPERIENCE

UC Institute for Prediction Technology, Web Application Developer

May 2017 - August 2017

- Created a labeling system to gather statistical data using Python Django.
- Developed an interactive website that allows the admin to create and send tasks to be labeled by the coders.
- Analyzed and display the user agreement of the labeling response as Krippendorff's alpha coefficient.
- Served as foundation for supervised learning in data classification research.
- <https://github.com/alganbr/LabelingSystem>

Upsilon Pi Epsilon UCLA, Web Chair

June 2016 - June 2017

- Organized the Upsilon Pi Epsilon website upe.seas.ucla.edu using Python Django.
- Created a new web page that lists the events hosted by UPE for every affiliated company.
- Maintained and updated the UPE website such as keeping track of members and candidates' information and updating the tutoring schedule.

TheLatest.com, Inc., Software Engineering Intern

August 2016 - September 2016

- Worked in site architecture, full-stack programming, databases, data, and general site building and maintenance.
- Implemented a more flexible news search instead of a direct match.
- Technologies used: JavaScript, PHP, and Symfony framework.

PROJECTS

Stock Market Prediction

Class Project, *COM SCI 145 - Data Mining*

October 2017 – Present

- Develop a mathematical model to predict the stock market trend from twitter data
- Implement different classifier approaches such as linear regression, logistic regression, and decision tree.
- Create a web page for the user to choose the stock and get the resulting prediction and plot.
- Technologies used are Python, Panda, Numpy, Matplotlib, Scikit-learn, Twitter API.

Propose (Web Application)

Class Project, *COM SCI 130 - Software Engineering*

October 2017 – Present

- Create a web application to connects freelancer programmers and prospective clients to work on a project.
- Implements design patterns to create reusable and scalable code.
- Front-end technologies: React.js, Back-end technologies: Python, Django

Pinpoint (Tracker Device)

Class Project, *COM SCI M117 - Wireless Network*

September 2016 – December 2016

- Created an IOS mobile application to pin point the location of a tracking device that utilizes the use of wireless network (cellular network, Bluetooth, and GPS). The tracking device is developed using Raspberry Pi, and the back-end is developed using Python with GPS module and Firebase database.
- The tracking device will get the coordinate location from the satellite through GPS, then store it into the database. The mobile application will read the coordinate and show it on the map.
- The mobile application also has user authentication feature and find lost device feature.

SKILLS

- Language: Proficient in English and Bahasa Indonesia. Conversational Mandarin
- Programming Skills: C, C++, Python, Java, Matlab, GNU/Linux, Experienced in Swift, LISP, OCaml, PHP, JavaScript, NodeJS, AngularJS.