

# TAIKAI TAKEDA

## PERSONAL INFORMATION

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## GENERAL INFORMATION

I like to use **Python** because it's fast to implement. I like to use **C++** because it's fast to process. I am currently highly motivated in **Machine Learning** (did some projects below). I also have experience a little bit in **competitive programming** (I was in **8th** place in **ICPC** southern california regional contest 2015). I have part-time working experience as software engineer from **concurrent programming** with pure C to **Web developing** with Ruby on Rails. Currently I am an exchange student in UC Irvine.

## EDUCATION

*Mar. 2012 -* Waseda University, Japan  
*Current*  
Major: **Computer Science**

*Sep. 2015 -* UC, Irvine (as Visiting Student), USA  
*Current*  
Major: **Computer Science**

### Research

*Sep. 2014 -* Nonparametric HMM for DNA alignment  
*Current*

*Supervisor:* Prof. Michiaki Hamada

Implemented Software is available on github  
(<https://github.com/seataK/hmmlearn/tree/fabhmm>), which inherit basic features from OSS hmmlearn (<https://github.com/hmmlearn/hmmlearn>).

*Sep. 2015 -* Autoencoder  
*Current*

*Supervisor:* Prof. Pierre Baldi

Working on an autoencoder problems, especially for theoretical aspect.  
Ongoing.

## WORK EXPERIENCE

*Feb. 2015 -* Software Engineer, MURAKUMO INC.  
*Murakumo Inc.* Developed distributed DBMS based on PostgreSQL in pure C.

*Aug. 2014* Software Engineer (Intern), CYBER AGENT INC.  
*Cyber Agent Inc.* Developed a Web Application(Ruby on Rails, HTML/CSS, Javascript)

*Sep. 2013 -* Software Engineer, KAWAII MUSEUM INC.  
*Jan. 2015* *Kawaii Museum Inc.* Developed Web Applications (Ruby on Rails, HTML/CSS, Javascript) and iOS Applications (Objective-C, Swift)

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