

# YAOWEI HU

## PERSONAL INFO

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**Address:** No.24 Southern First Ring Round, Chengdu, Sichuan, China  
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## EDUCATION

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<b>Sichuan University, China</b> Supervisor: Prof. Lei Duan M.S., Computer Science and Technology Weighted Average Score: 84.93 / 100	<i>Sep 2015 - Present</i>
<b>Sichuan University, China</b> B.S., Network Engineering Weighted Average Score: 85.1 / 100	<i>Sep 2011 - Jun 2015</i>

## RESEARCH

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<i>Sep 2017 - Present</i>	<b>Pattern Based Recurrent Neural Networks for Text Classification</b> <i>Supervisor: Prof. Lei Duan</i> <ul style="list-style-type: none"><li>- Mined some distinguishing patterns in each class and embedded them.</li><li>- Used Attention Mechanism to fuse pattern embeddings with hidden layer vectors from recurrent neural networks as local representative</li><li>- Combined local representative and global representative from recurrent neural networks to classify a new text sequence</li></ul>
<i>Aug - Dec 2016</i>	<b>Pattern Based Method for Protein Sequence Classification</b> <i>Supervisor: Prof. Lei Duan</i> <ul style="list-style-type: none"><li>- Mined density-aware patterns in the protein sequence data</li><li>- Selected top-<math>k</math> density-aware patterns with high confidence</li><li>- Constructed rule based classifier with selected patterns and predicted the label of a new protein sequence</li></ul>

## PUBLICATIONS

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1. **Yaowei Hu**, Lei Duan, Ling Li, Chao Han. Biological Sequence Classification Algorithm Based on Density-aware Patterns [J]. Journal of Computer Applications, 2018, 38(2): 427-432.

## PROFESSIONAL ACTIVITIES

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*Oct 20th - 22nd, 2017* | **Presentation:** The 34th National Database Conference

*Jul 22nd - 24th, 2017* | **Member:** KDD Summer School

*Jul 23rd - 27th, 2016* | **Member:** VLDB Summer School

## PROJECT EXPERIENCE

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<i>Nov 2016 - Mar 2017</i>	<b>Data Management and Display System for Students' Affairs Division</b> <ul style="list-style-type: none"><li>- Created a website which provided graphical data management</li><li>- Provided functions of statistics and visualization</li><li>- Used SpringMVC, JSP, jQuery, MySQL</li></ul>
<i>Apr - Aug 2014</i>	<b>Encryption Transmission for Medical Images</b> <ul style="list-style-type: none"><li>- Encrypted medical images with public-key cryptography RSA</li><li>- Transferred between a computer and a mobile phone</li></ul>
<i>Mar - Jun 2013</i>	<b>Campus Bicycle Rental Website</b> <ul style="list-style-type: none"><li>- Created a bicycle rental website for university students</li><li>- Used Php, JavaScript, MySQL</li><li>- Project for Student Innovation Training Program</li></ul>

## AWARDS AND HONORS

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<i>2015 - 2016</i>	First Prize Scholarship of Sichuan University
<i>2011 - 2015</i>	Outstanding Graduates of Sichuan University
<i>Jul 2014</i>	Third Prize in National College Student Information Security Contest
<i>2013 - 2014</i>	National Scholarship

## RELEVANT SKILLS

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<b>Programming</b>	Python, Java
<b>Tools</b>	PyTorch, LaTeX