

# Zhihao Li

<http://codinfox.github.io>



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## EDUCATION

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### Carnegie Mellon University

M.S. in *Computer Science* | GPA: 4.0/4.33

Pittsburgh, PA

Dec.2016 (Expected)

- **Selected Courses:** Machine Learning, Computer Vision, Visual Learning and Recognition, Computational Perception, Parallel Computer Architecture and Programming

### Tongji University

B.Eng. in *Software Engineering* | GPA: 4.9/5.0, **Summa Cum Laude**

Shanghai, China

Jul.2015

- **Selected Courses:** Software Engineering, SQA, Software Project Management, Data Mining & Analysis

### Rose-Hulman Institute of Technology

Visiting Student in *Computer Science & Software Engineering* | GPA: 4.0/4.0

Terre Haute, IN

Aug.2014 - Nov.2014

- **Selected Courses:** Algorithm Design & Analysis, Artificial Intelligence

## EXPERIENCE

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### Research Assistant

Directed by Prof. Tai Sing Lee, Carnegie Mellon University

Pittsburgh, PA

Jan.2016 - Present

- Modelling visual cortex with deep neural network
- Research on extreme sparse representation in primary visual cortex (V1)

### Undergraduate Research Assistant

Directed by Prof. Laurent Itti, Tongji University and University of Southern California

Shanghai, China

Jan.2014 - Jun.2015

- Research on biological vision inspired indoor robot localization and applications of Visual Saliency and Gist
- Contributed to NRT (Neuromorphic Robotic Toolkit) . Independently implemented Retinex, biologically plausible Gist of a scene and other vision algorithms

### Web Front-end Infrastructure Architect Intern

Baixing.com, a leading classified advertisements website in China, formerly a branch of eBay

Shanghai, China

Jan.2015 - Jun.2015

- ErrorTracker for tracking real-time front-end errors of the whole website (PV 40k/min)
- Built automated building workflow with Gulp for Baicons (an open-sourced iconfont project)

## SELECTED PROJECTS

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### GF - An Memory-aid Application for Learning English Words

Role: Project Manager | *New Oriental Education & Technology Group (NYSE:EDU)*

Shanghai, China

Aug.2013 - Feb.2014

- Developed an iOS application with proper algorithm to help people better memorizing English words

### Navigation Instrument for Smartphones Based on Real-time Traffic Condition

Role: Team Leader | *Shanghai Innovation Experiment Program*

Shanghai, China

Nov.2011 - Nov.2013

- Developed an cross-platform web-based HTML5 app to gather and share real-time traffic conditions in Shanghai

## HONOURS & AWARDS

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- 15' **Commencement Speaker**, School of Software Engineering, Tongji University
- Outstanding Graduating Student of Shanghai**, Shanghai Municipal Education Commission (Top 5%)
- 14' **Google Excellence Scholarship**, Google (China) (Top 62 nation-wide, including graduate students)
- Meritorious Winner of Interdisciplinary (Mathematical) Contest in Modeling** (Globally Top 10%)
- 13' **National Scholarship**, Ministry of Education of the People's Republic of China (Top 2%)

## TECHNICAL STRENGTHS

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### Programming Languages

C/C++, Matlab, JavaScript, HTML, CSS, Objective-C, Swift,  $\LaTeX$

### Platforms

Web, iOS, Linux, OS X (Unix)

### Tools

Git, Vim, Caffe, Torch