

# JoshuaBowles

Founder AILGroup, Software Developer

## contact

jbowles@ailgroup.io  
github  
ailgroup.io

## interests

computational math,  
data engineering,  
machine learning,  
scalable systems

## programming

Go, Julia, Rust, Ruby,  
Python

## interests

complex networks, social networks, community detection, community structure, overlapping communities, information diffusion, viral marketing, social inference, recommendation, data mining

## education

- |            |   |  |
|------------|---|--|
| since 2009 | <b>Ph.D.</b> candidate in Computer Science<br><i>A Quantified Theory of Social Cohesion.</i>  | DNET/INRIA, LIP/ÉNS de Lyon                |
| 2007–2008  | <b>M.Sc. magna cum laude</b><br>Majoring in Computer Science<br>Specialization in Complex Systems   | IXXI, École Normale Supérieure de Lyon     |
| 2006–2007  | <b>B.Sc. magna cum laude</b><br>Majoring in Computer Science  | École Normale Supérieure de Lyon           |
| 2003–2006  | <b>Classes Préparatoires aux Grandes Écoles</b><br>Grand, Paris<br>Preparation for national competitive entrance exams to leading French “grandes écoles”, specializing in mathematics and physics. | Lycée Fénélon, Lycée Louis le Grand, Paris |
| 2003       | <b>French Baccalauréat S. with honors</b><br>Specialization in mathematics and physics  | Lycée Louis le Grand, Paris                |

## experience

- |            |   |                      |
|------------|---|----------------------|
| 02–07 2009 | <b>LIP6/CNRS, Paris</b><br><i>Visualization of complex networks.</i>                      | Research Internship. |
| 06–08 2008 | <b>ISCFIF/CNRS, Paris</b><br><i>Diffusion in the Blogosphere. Happy Flu.</i>              | Research Internship. |
| 06–08 2007 | <b>LIP6/CNRS, Paris</b><br><i>Kernels in real world networks.</i>                         | Research Internship. |
| 07–08 2005 | <b>Kelkoo.com</b><br><i>Creation of a keyword generator for Google Adwords.</i>           | Summer job.          |
| 07–08 2004 | <b>MonsieurPrix.com</b><br><i>Development of an e-commerce product indexation spider.</i> | Summer job.          |

## applications

2012	<b>Who did I forget ?</b> Guest list recommendation for Facebook events based on friends already attending the event.	<a href="http://whodidiforget.com">whodidiforget.com</a>
2011	<b>Fellows</b> Automatic community detection among Facebook Friends in order to validate the <i>cohesion</i> measure, creation of friend lists.	<a href="http://fellows-exp.com">fellows-exp.com</a>
2008	<b>Happy Flu</b> Experiment aimed to measure viral spreading of content across the blogosphere.	<a href="http://happyflu.com">happyflu.com</a>

## publications

Put your publications here!