

## PERSONAL DETAILS

First Name Aleksandr  
Last Name Farseev  
Date of Birth 8.06.1989  
Nationality Russian  
Languages Russian, English  
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I am an open-minded individual with a proven track record in research, team leading, and software development. I gained my research experience while doing my Ph.D. in Asia's Top research group on Social Media Analytics. Simultaneously, I led the team of engineers and research scientists, which successfully deployed social media data analysis solutions to cloud. I enjoy learning new things and have necessary experience in ML, IR, Recommender Systems, NLP, Sentiment Analysis, Social Media Analytics, and Software Development to lead research projects and solve real-world problems on time.

## EDUCATION

Aug 2013 – August 2017, PhD, *National University of Singapore (NUS)*, School of Computing (SoC), Singapore.  
Sep 2011 – June 2013, Master of Science, *Saint Petersburg National Research University of Information Technologies, Mechanics and Optics (NRU IFMO)*, Computer technologies and Controlling System department, St. Petersburg, Russia.  
Sep 2011 – June 2013, Master of Science, *Saint Petersburg National Research University of Information Technologies, Mechanics and Optics (NRU IFMO)*, Computer technologies and Controlling System department, St. Petersburg, Russia.  
Sep 2006 – May 2011, Alumnus (Specialist), *Baltic State Technical University* Information and Controlling systems department, St. Petersburg, Russia.  
Sep 2006 – May 2010, Bachelor of Science, *Baltic State Technical University* Information and Controlling systems department, St. Petersburg, Russia.

## EMPLOYMENT

2013 – now, Social discovery team lead, **NExT Center in National University of Singapore** (<http://next.comp.nus.edu.sg>). Singapore. Project management (leading 5 research assistants). Cloud software architecture development. Development process setup and support. Technologies used: *.Net, Entity Framework, .Net MVC, Azure Stream Analytics, Azure Service Bus, Azure Cloud Services, Java Spring, Java Hibernate, Java, Docker, Rabbit MQ, Weka, Caffé Deep Learning, etc.*

### Projects:

- **bBridge Online** Cloud-Based Social Discovery System (<http://bbridge.net>)
- **NExT API (bBridge API)** Cloud-Based Social Multimedia Analytics API (<http://api.bbridge.net/>)

Mar 2013 – Sept 2013, Software project manager, **Special Technology Center**. St. Petersburg, Russia. Software architecture development. Software architecture construction. Development process setup and support. Project management. Technologies used: *C++ + QT, C# + WPF, JS etc.*

### Projects:

- Public events access control system (.Net)
- Client server map component

Nov 2012 – Feb 2013, Research assistant (Internship), National University of Singapore (School of Computing), Singapore (<http://www.comp.nus.edu.sg/>).

### Projects:

- Cloud-Based System for mapping AIS Data Streams (.Net ASP MVC 4, Microsoft Stream Insight Austin)

- Automatic Tourist Guide for any location based on IR backend and with embedded speech synthesis engine.
- Jan 2007 – Aug 2012, Software developer, **Radio control technologies**. St. Petersburg, Russia (<http://www.oao-trk.ru/>). Software architecture development. Software architecture construction. Development process setup and support. Project management. Development of algorithms for locating of radio emission sources. Technologies used: *C++ (+STL, QT, MFC, CORBA), C# (+CF, WPF, ASP), C (+OpenMP, MPI), Java (Swing, Phone GAP), Js, etc.*

#### **Projects:**

- Server components visual configurator (.Net)
- CDMA emitters analyzer complex – client app (MFC C++)
- GSM emitters analyzer complex analyzer – client app (CF .Net)
- GEO – located subordinate control system (CF .Net)
- Distributed access control system (.Net)
- Cross platform tactic map component for all GEO projects (C++ QT, Scrum Master, Lead)

### **RESEARCH INTERESTS**

- User Profiling (watch my tutorial on it: <http://tutorial.bbridge.net/>)
- Social Multimedia Analytics
- Multi-Source Learning

### **SELECTED PUBLICATIONS**

- A. Farseev, I. Samborskii, A. Filchenkov, and T.-S. Chua. **Cross-Domain Recommendation via Clustering On Multi-Layer Graphs**, In Proceedings of the 40th International ACM Conference on Research and Development in Information Retrieval (SIGIR'17), Tokyo, Japan, August 7-11, 2017.
- A. Farseev, and T.-S. Chua. **Tweet can be Fit: Integrating Data from Wearable Sensors and Multiple Social Networks for Wellness Profile Learning**, ACM Transactions on Information Systems (ACM TOIS), 2017.
- A. Farseev, and T.-S. Chua. **TweetFit: Fusing Multiple Social Media and Sensor Data for Wellness Profile Learning**, In Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI-17), San Francisco, USA, 2017.
- K. Buraya, A. Farseev, A. Filchenkov, and T.-S. Chua. **Towards user personality profiling from multiple social networks**, In Proceedings of the 31st AAAI Conference on Artificial Intelligence (AAAI-17), San Francisco, USA, 2017.
- A. Farseev, I. Samborskii, and T.-S. Chua. **bBridge: A Big Data Platform for Social Multimedia Analytics**, In Proceedings of the 25th ACM Conference on Multimedia (ACMMM'16), Amsterdam, The Netherlands, Oct 15 – 19, 2016.
- A. Farseev, M. Akbari, I. Samborskii, and T.-S. Chua. **360° User Profiling: Past, Future, and Applications**, ACM SIGWEB Newsletter, Summer, 2016.
- A. Farseev, N. Liqiang, M. Akbari, and T.-S. Chua. **Harvesting multiple sources for user profile learning: a Big data study**, In Proceedings of the ACM International Conference on Multimedia Retrieval (ICMR'15), Shanghai, China, June 23-26, 2015.
- A. Farseev, D. Kotkov, A. Semenov, J. Veijalainen, and T.-S. Chua. **Cross-Social Network Collaborative Recommendation**, In Proceedings of the ACM International Conference on Web Science (WebSci'15), Oxford, UK, June 28 – July 1, 2015.

### **ACHIEVEMENTS & AWARDS**

- Aug 2013, **NUS Research Scholarship (2500 Sg\$/month)**
- March 2017, **>50 news publications about our AAAI'17 article** (NY Post, Daily Mail, The Independent, etc.)
- April 2017, **I&E Practicum @ SoC Award (10000 Sg\$)** – Innovation Analytics Technology Idea Award
- August 2017, **Dean's Graduate Research Excellence Award (1000 Sg\$)**

### **RESEARCH-RELATED ACTIVITIES**

Reviewer @ SIGIR'17, WSDM'16, AINL'16, YSC'16, AINL'15, ICMR'15, MMM'15, WITS'14

Guest Editor @ ACM TIST, ACM TOIS, IEEE TCSS.

Co-Chair @ WSTNET Web Science Summer School 2017

Program Chair and Tutorial Speaker @ Summer School on Social Media Computing (ISMW-FRUCT '16. St. Petersburg, Russia. Aug. 28 2016 - Sept. 4, 2016).

Program Chair AINL-FRUCT '15 Conference. St. Petersburg, Russia. Nov. 9-14, 2015.

### **SOFTWARE DEVELOPMENT EXPREIENCE**

- Windows, Linux
- Programming languages and libraries: C# (+CF, MVC, Entity Framework, Win Forms, RhinoMocks, NUnit, Xamarin), C++ (+ STL, WinAPI, QT, MFC), C, MathLab, Java (+ Spring, Hibernate, JUnit, Gradle), HTML.
- Misc: MS SQL, Postgres SQL, Mongo DB, Azure Document DB, Azure Stream Analytics, Docker, AMQP.