



# Jibin Ou

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**Nationality:** China, **Date of birth:** Sept. 1987

**Current Address:** Jiading, Shanghai China

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**Telephone:** +86-173-1762-6986

**Objective:** Core Java Software Engineer, Fullstack Software Engineer

## EDUCATION

**M.Sc., media informatics** October 2010–April 2014

RWTH Aachen, Aachen, Germany

**Visiting Student, computer science** July 2013–April 2014

ETH Zürich, Zürich, Switzerland

**B.Sc, information and computational science** September 2006–June 2010

Sun Yat-sen University, Guangzhou, China

## EXPERIENCE

**Software Developer** October 2016–Current

Honeywell, Shanghai, Germany

- Responsible for mobile client development for a global IoT project(Connected Freight);
- Maintained local cloud instance for a SaaS software solution(Movilizer) for great China region;
- Developed innovative projects and devoted ideas for new software solutions in logistics industry;

**Software Developer** January 2015–September 2016

Honeywell Movilizer(former Movilizer GmbH), Mannheim, Germany

- Worked in client development team, responsible for the desktop client development that uses Java Swing and JavaFX framework for UI and sqlite database for data persistence;
- Responsible for embedded device client which uses J2ME and Java Embedded framework, and is used for M2M communication;
- Involved in backend development, that uses Spring framework for webservice development and Apache Cassandra as database;

**Research Assistant** April 2014–December 2014

Advanced Interactive Lab and Software Reliability Lab, ETH Zürich, Switzerland

- Researched state-of-the-art method for programming interface;
- Responsible for developing generation visual programming tool using WPF framework as the front-end, and Eclipse RCP Plug-in as a back-end;
- Co-authored SIG CHI conference paper;

**Development Intern** January 2013–June 2013

Vehicle Integration and Validation Department, BMW Group, Munich, Germany

- Responsible for prototypes of a remote collaboration system, which facilitates the communication between different BMW plants globally.
- Collaborated with colleagues from different departments to perform user study, collect user requirements and conducted the final user test.

	<b>Research Assistant</b> <span style="float: right;">July 2011-July 2012</span> User-Centered Computing Group, Fraunhofer Institute for Applied Information Technology, Bonn, Germany <ul style="list-style-type: none"> <li>• Developed a real-time monitor and control service for home appliances, including a Android client, Java based back-end and Plugwise wireless power plugs.</li> <li>• Worked on using sensor fusion and ad-hoc Wi-Fi network to help generating more accurate location information.</li> </ul>
<b>COMPUTER SKILLS</b>	<b>Language:</b> Java, C#, Objective-C, JavaScript, Python, C\C++ <b>Server-side:</b> SpringMVC, PostgreSQL, Apache Cassandra <b>Browser-side:</b> Angular 2, Apache Cordova, TypeScript <b>Client-side:</b> Swing\AWT, iOS, Android, WPF <b>Data analysis:</b> NumPy, TensorFlow <b>Tools:</b> Anaconda, LaTeX, VBA <b>Related course:</b> Machine Learning, Human Computer Interaction
<b>SELECTED PROJECTS</b>	<div> <b>OBD based car diagnostic solution</b> <span style="float: right;">October 2017-Current</span>  Honeywell, Shanghai, China <ul style="list-style-type: none"> <li>• OBD based car diagnostic solution for second-hand car market;</li> <li>• Be responsible for backend development, which is a Golang based RESTful API service and uses PostgreSQL and Apache Cassandra Database;</li> </ul> </div> <div> <b>Connected Freight solution</b> <span style="float: right;">November 2016-August 2017</span>  <a href="https://www.honeywellaidc.com/solutions/workflow/connected-freight-solution">https://www.honeywellaidc.com/solutions/workflow/connected-freight-solution</a>  Honeywell, Shanghai, China <ul style="list-style-type: none"> <li>• Developed client side and middleware which help user to monitor and interact with sensor gateway and tags;</li> <li>• Collaborated with teams in India, Germany and US to develop the solution;</li> </ul> </div> <div> <b>Mobile workflow management solution for Daimler</b> <span style="float: right;">August 2015-March 2016</span>  Honeywell, Mannheim, Germany <ul style="list-style-type: none"> <li>• Responsible for development of a customized user login system, which works with the OPC communication system;</li> <li>• Collaborated in the test and deployment of the complete solution in work stations of factories;</li> </ul> </div> <div> <b>Heap memory visualization and manipulation</b> <span style="float: right;">July 2013-March 2014</span>  ETH Zürich, Zürich, Switzerland <ul style="list-style-type: none"> <li>• Provided a basic mathematical model for visualizing and manipulating the objects and their relations in the heap;</li> <li>• Designed and developed a information visualization component using WPF and the heap traversal component using Eclipse RCP plug-in;</li> </ul> </div>
<b>PUBLICATION</b>	Jibin Ou, Martin Vechev, Otmar Hilliges. <b>An Interactive System for Data Structure Development.</b> In Proc. Computer Human Interaction(CHI) 2015, Seoul Korea.(average acceptance rate 20%)
<b>LANGUAGE</b>	English(professional proficiency), German(advanced), Chinese(mother tongue), Cantonese(mother tongue)
<b>EXTRA-CURRICULAR ACTIVITIES</b>	Won <i>Bravo Gold Recognition</i> , Honeywell, Shanghai, November 2016 and July 2017 Won <i>IDEA League Student Research Scholarship</i> , IDEA League, Zürich, 2013