



Jibin Ou

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

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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

- Be responsible for mobile client development for a global Internet of Things project in Honeywell;
- Maintained local cloud instance for mainland China region;
- Develop prove of concept IoT solutions for local customers;
- Developed innovative projects and devoted ideas for new software solutions in logistics industry;

Software Developer January 2015–September 2016

Honeywell, 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 client middleware development, which is used as the core component of different mobile clients;
- Involved in backend development, that uses Spring framework for webservice development and Apache Cassandra for data persistence;

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.

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