

Chao Xu

Software Develop Engineer II at Microsoft

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[Google Scholar Page](#)

Employment

SDE II at Microsoft (Seattle HQ)

May 2018 ---- Present

Working at Microsoft Bing team as a back-end SDE.

SDE at Amazon Corporate LLC (Seattle HQ)

Working at Amazon Alexa Personalization team as a back-end SDE.

April 2017 ---- April 2018

- Designed and implemented notification handler component:

Worked at Amazon Video Direct Publish team

July 2015 ---- April 2017

- Core developer of vendor payment and accounting component.
- Write backend codes for team's dashboard page, which shows vendors' financial performance.

Skills

- **Language:** Java, C/C++, C#, Scala, SQL
- **AWS Technologies:** S3, EC2, DynamoDB, EMR, SQS, SNS, Data Pipeline
- **Framework:** Spring, Google Guice, Spark, REST APIs
- Good communication skills in both English and Chinese.

Publications

- [Chao Xu](#), Parth H. Pathak, and Prasant Mohapatra. **Finger-writing with Smartwatch: A Case for Finger and Hand Gesture Recognition using Smartwatch**. ACM Hotmobile 2015.
- Li Zhang, [Chao Xu](#), Parth H Pathak, Prasant Mohapatra. **Characterizing Instant Messaging Apps on Smartphones**. Passive and Active Measurement 2015
- Yunze Zeng, Parth H Pathak, [Chao Xu](#), Prasant Mohapatra. **Your ap knows how you move: fine-grained device motion recognition through wifi**. HotWireless 2014
- Yixin Zhao, PH Pathak, [Chao Xu](#), Prasant Mohapatra. **Finger and hand gesture recognition using smartwatch**. Passive and Active MobiSys 2015
- Xinlei Wang, Hao Fu, [Chao Xu](#), Prasant Mohapatra. **Provenance logic: Enabling multi-event based trust in mobile sensing**. IPCCC 2014

Education

M.S. in Computer Science

University of California, Davis

GPA: 3.8/4.0

September 2013 --- June 2015

B.Eng. in Information Security

Jiangnan University (China)

GPA: 85/100

September 2009 --- June 2012