

# Jeff Tian

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## TECHNICAL SKILLS

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- Programming languages: **Java, Python, C#, JavaScript, Unix Shell, Go.**
- Web: **ASP.NET, Node.js**, AngularJS, Ajax, jQuery, Express.js, JDBC, HTML, CSS.
- Database: **MySQL**, SQL Server, **MongoDB**, Azure Blob, Redis, Cassandra, HBase.
- Hands-on experience with **REST API, web app, web services** and **middleware**.
- Solid knowledge of data structures, algorithms, OOD. Knowledge of system design and testing.
- Familiarity with Git, cloud technologies (Azure, AWS), Unix/Linux platform, Hadoop stack.

## PROFESSIONAL EXPERIENCE

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**Software Engineer, Clobotics (an AI Startup), Bellevue, WA** 11/2017 – Present

- Designed and implemented “CVMan v1.1” that makes CVMan stateful for easy monitoring and debugging.
- Added a middleware to decrease coupling between CVMan and other web services.
- Designed and implemented a web App for displaying states of CV tasks and supporting CRUD operations.
- Delivered scripts to generate reports that helped land Clobotics’s first commercial contract in Retail industry.
- Operated O2O production pipeline on Azure, improved batch processing capacity to millions of images daily.
- Set up CaffeOnSpark on Azure HDInsight cluster for distributed model training, batch processing, etc.
- Contributed to adding test code, building an internal Swagger service and many other nontrivial projects.

**Software Developer, Dr. Shuai Huang’s Research Group at UW, Seattle, WA** 09/2016 – 10/2017

- Designed, implemented and deployed Data Question Answering System from scratch.
- Leveraged Python RAKE library and Google’s Word2Vec to perform NLP in question understanding module.
- Trained the system with 100,000 datasets from UCI data repository, StackExchange and DBLP.
- Redefined the requirements of the product, improved SQL performance from 50 to 200 QPS.
- Deployed the service at AWS, supervised daily operation to ensure a prompt and robust service.

**Carrier Technical Management Intern, BlackBerry Ltd., Bellevue, WA** 06/2015 – 12/2015

- Collaborated in an agile team providing technical support and solutions to various carriers and clients.
- Quickly reacted to issues from customers. Assisted in resolving over 50 sev1 issues (15% of total sev1’s).
- Contributed to launching BlackBerry’s first Android device (PRIV) on AT&T and T-Mobile.

## PROJECT EXPERIENCE

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**Online profile (<https://jeff1209.github.io/CV/>)**

- A personal online profile. Keep updating and improving!

**Online Supplier & Order Information Management System (MEAN Stack web application)**

- An online IMS that helps supply chain managers easily CRUD supplier and order information.

**Delivery Route Search Algorithm for Amazon “Last Mile”**

- Proposed an algorithm to calculate a “better” route for Amazon delivery (in-class project, not sure if it’s used).

## EDUCATION

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**College of Engineering, University of Washington, Seattle, WA** 09/2014 – 06/2016

M.S. in Industrial & Systems Engineering

**College of Management and Economics, Tianjin University, Tianjin, China** 09/2009 – 07/2013

B.S. in Industrial Engineering