

Hongyang (Henry) Yu

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EXPERIENCE	Altomni Corp	Santa Clara, CA
	Software Engineer	07/2017 – now
	<ul style="list-style-type: none">• Building Altomni Professional Network (APN) System in the backend team• Responsible for resume/job description parser and candidates recommendation in 2018, while responsible for API design and development for Applicant Tracking System in 2017• Developing and optimizing resume parser and candidates recommendation with Python• Developing REST API and core services for ATS with Java Spring Boot• Managing and optimizing relational database MariaDB/MySQL• Performing unit test and integration test for ATS backend• Participated in demand analysis, and database, class and API design• Participating in code review, and deploying development and staging environments• Skills: Java, Python, Spring Boot, Flask, MariaDB, MySQL, MongoDB, Elasticsearch, Machine Learning, Natural Language Processing, Stanford NLTK, AWS, Alibaba Cloud, Docker, CircleCI, Automation Testing, JUnit, RestAssured, Postman, Maven, Git	
	Shandong University	Jinan, Shandong, China
	Research Assistant, in Machine Learning and Data Mining Lab	03/2014 – 01/2015
	<ul style="list-style-type: none">• Researched finger-knuckle-print pattern recognition and came up with two-phase Region of Interest (ROI) detection method to extract ROI images more accurately• <u>Publication</u>: <i>A New Finger-Knuckle-Print ROI Extraction Method Based on Two-Stage Center Point Detection</i>. Yu, Hongyang, Yang, G., Wang, Z. and Zhang, L.• Skills: Matlab, Biometric Recognition, Digital Image Processing, Machine Learning	
	Peking University	Beijing, China
	Research Assistant Intern, in Software Engineering Institute	07/2013
	<ul style="list-style-type: none">• Researched software system problem detection theory• Participated in analysis of problem detection system by mining patterns of console logs• Skills: Java, SQL, Text Mining, Machine Learning, Principal Components Analysis	
EDUCATION	Rutgers University	New Brunswick, NJ
	Master of Science in Computer Science	Graduation: 05/2017
	Shandong University	Jinan, Shandong, China
	Bachelor of Engineering in Computer Science and Technology	Graduation: 06/2015
PROJECTS	Restaurant Strategy Selection based on Yelp with EMR Spark	02/2017 – 04/2017
	<ul style="list-style-type: none">• Task: To predict what properties make restaurants have more possible to get 5-star reviews• Extracted text features from 144,000 records of restaurants, and transformed them to numeric vector on EMR Spark• Trained multilayer backpropagation neural network to do regression on Deeplearning4j• Skills: Scala, Java, Spark, Deeplearning4j, Word2Vec, openNLP, AWS EMR	
TECHNICAL SKILLS	Languages: Java, Python, Scala, SQL, C, C++, Swift, JavaScript, HTML, CSS, Matlab	
	Frameworks & Tools: Spring, Flask, MySQL, Elasticsearch, Spark, Hadoop, Maven, Git, Linux, Machine Learning, NLP, Keras, TensorFlow, CUDA, AWS, Docker, Automation Test	