Jinfeng Lin

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TECHNICAL SKILLS

- **Core Skill**: Java, C++, Python, SQL, JavaScript, Ruby, Android, Postgres, Junit
- **Web Skill**: Django, HTML5, CSS, AJAX, Bootstrap, Git, ActiveDirectory, Animate.css, JQuery
- **Extra Skill**: Gradle, Weka, Moses, Jenkins, Jira, Json, Linux, Rust, Lisp, Mysql, Hadoop

EXPERIENCE

Hitachi Data Systems   Mar, 2016 - Present
Junior Software Engineer   Waltham,MA

- Assure quality for HCP Anywhere
  - Automate tests with Junit for Rest API, public SDK
  - Maintain continuous test and report product bugs on Jira
- Internal tool development
  - Failure Tracing System. A complement system for Jira composed with Django
  - Autobots. A serie of tools to control distributed file systems

Projects

ARTIST PORTFOLIO

- Online platform to demonstrate and share user's novel masterpieces
- Apply Django as backend, decorate frontend with HTML5, Bootstrap, CSS and Animate.CSS
- Include tremendous JQuery and Ajax to make the website interesting and interactive
- Deployed on Amazon EC2, manage data through Amazon S3 and Postgres

NANO TWITTER

- A web application implement rudimentary social network site functionality. Mimic twitter architecture to build timeline.
- Composed by Ruby and accelerated with Redis. Utilized Bootstrap, JS, HTML for frontend.
- Able to Sustain 500 active user on a single node within limited response time (3s)

NATURAL LANGUAGE PROCESSING TOOLKITS

- Implemented multiple machine learning models from scratch.
  - Hidden Markov Pos tagger in python, achieve 85%-95% accuracy on Brown corpus
  - MaxEnt classifier with numpy for large data set.
  - Probabilistic Context Free Grammar parser with NLTK
- Developed a dropped pronoun recovery system for Chinese
  - Collect training data by manually labelling 500 online chatting records
  - Extract syntactic and contextual features to train Mallet MaxEnt model. Achieve 40% F-measure.

PROFESSION CLASSIFIER

- A system which can predict candidates' professions according to their biography/Resume. Achieved 78% accuracy with 132 categories of profession.
- Tokenize, truecase, clean and stem 40 GB raw wiki xml data on 3 node cluster
- Parallelize data processing, classifier training and testing with Hadoop

Educations

Brandeis University   Aug,2014 - Dec, 2015
Master, Computer Science   Waltham, MA
Northwestern Polytechnic University   Aug,2010 - Jun, 2014
Bachelor, Computer Science   Waltham, MA