Joshua Dong

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Summary
- Looking for cross-functional leadership role in a high-growth environment
- Experienced in technical leadership, management communication, and greenfield development

Experience

Rev.com, Speech Recognition AI Senior Engineering Manager   2019-2021
- Manager for R&D team since 2019 with 9 reports, overseeing 6 promotions
- Led NLP and technical product development for Temi.com's launch, exceeding $3M ARR in 3 years
- Led engineering efforts for Rev.ai launch, exceeding $4M ARR in 2 years
- Led engineering and security efforts for Dockerized on-premise launch ($0.4M ARR)
- Led AI integration into Rev.com, leading to >20% labor productivity gains for >20,000 contractors
- Created first MLOps and AI Product teams
- Initiated and orchestrated first 2 research paper publications
- Led company-wide documentation and migrated Engineering department to Confluence wikis
- Spearheaded new manager training program and cross-functionally mentored managers

Rev.com, Speech Recognition AI Developer   2017-2019
- Overhauled data processing from open source Perl/bash to proprietary Python/C++ with accuracy, modularity, and performance gains
- Directed NoSQL data warehousing for experimentation efficiency and research reproducibility
- Led open source efforts for Python integrations, NLP tools, and speech accuracy measurement tools
- Led containerized deployments, CI and testing infrastructure, internal package management, and multilingual speech recognition development

Praetorian, Intern   2016
- Security testing and remediation for Silverlight (.NET), Snap (Haskell), GWT, and others
- Crowdsourced IoT scanning app using Docker, Android, Raspberry Pi, ZigBee, Bluetooth

GoDaddy, Intern   2015
- Ported Windows IIS .NET to Node.js REST API
- LESS+React.js on modified koa for scalable website builder tools

UT Startups, Product Manager and Developer   2013-2014, 2016
- Led team for Ourly, developer at GenXComm
- Flask, PostgreSQL, Android, iPhone, Node.js, MongoDB development

RetailMeNot, Intern   2013, 2014
- Implemented REST API backend for Disqus-like commenting system
- Python AWS CRUD API: EC2, S3, SQS wrappers unit tested with Travis CI

Personal Project, Real Time Strategy AI   2010-2012, 2014, 2015
- Led team for 2011 AI for Interactive Digital Entertainment (AIIDE) Starcraft AI competition
- Dortmund University of Technology Computational Intelligence and Games (CIG) 2011
- Java AI for MIT Battlecode (2014, 2015)

Technical Skills
Programming languages: Python, C++, C, ES5, Java 8, Erlang, and others with varying proficiency
Other: ML, *nix, git, CI, web sec, reverse engineering, embedded systems, Android, REST

Education

The University of Texas at Austin   2012-2016
- Mathematics (statistics) and Computer Engineering (software) double major
- IEEE Computer Society project manager and corporate relations officer (2014-2015)

Korea University Semester Abroad   2015
- Information security, programming languages, pattern recognition, Korean language classes

Flavor
- Language enthusiast fluent in English and Chinese with elementary proficiency with Korean
- Martial artist for over ten years, founded high school hip hop dance club
- Ask me about my projects or favorite books!