Joshua Dong

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Summary

- Looking for competitive position in a high-collaboration environment
- Experienced in technical leadership, management communication, and greenfield development

Experience

Rev.com, Speech Recognition AI Engineering Manager   2017-2020
- Manager for R&D team since 2019 with 7 reports, overseeing 5 promotions and 3 new products
- Led data processing overhaul 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 NLP development for Temi.com's launch, a high-margin business exceeding $1M ARR in 3 years
- Led R&D integration into Rev.com, leading to 20% labor productivity gains for over 20,000 contractors
- Led open source efforts for Python integrations, NLP tools, and speech accuracy measurement tools
- Led containerized deployments, CI and testing infrastructure, internal package management, multilingual speech recognition development

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

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

Undergraduate Research under Sriram Vishwanath   2013-2014, 2016
- Lead team as integration supervisor and project manager for Ourly
- Flask, PostgreSQL, Android, iPhone, Node.js, MongoDB development

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

RTS 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 programming for MIT Battlecode (2014, 2015)

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

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

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

Flavor

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