

Summary

- Looking for hard work in a competitive environment
- Experience in testing/automation, full stack web development, and project leadership

Education

University of Texas at Austin 2012-2016

- Computer Engineering (software focus), Mathematics (statistics focus) double major
- IEEE Computer Society project manager and corporate relations officer (2014-2015)
- Grading for Software Testing, Algorithms

Korea University Semester Abroad 2015

- Information security, programming languages, pattern recognition, and Korean language classes

Experience

Rev.com Internship 2017

- Speech-to-text processing on Amazon AWS

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

Python-Jamo (pypi.python.org/pypi/jamo) 2015

- Python module for handling Unicode Hangul and Jamo code blocks
- Tested with Travis CI and Python unittest with Sphinx documentation on ReadTheDocs

Minecraft Client API (MCC) (github.com/NosotrosNueces/mcc) 2014-2015

- Pure C client API for automation, game-mechanic testing, bot creation
- Event-driven design wrapping socket decryption/thread layer designed from scratch

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
- Full duplex wireless link layer (Ettus USRP, ZedBoard) for GenXComm

RetailMeNot, Inc. Summer Internships 2013, 2014

- Designed machine learning spam filter for user-generated content
- 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, ES5, Java, C++, Erlang, and others with varying proficiency

Other: *nix, git, CI, web sec, reverse engineering, embedded systems, Android, math, reading man pages

Flavor

- Fluent in English and Chinese, elementary proficiency with Korean
- Martial artist for over ten years, member of UT Wushu team, founded high school hip hop dance club
- Passionate about nutrition, food, cooking
- Ask me (github.com/JDongian) about my projects!