

David McInnis

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Objective

Dependable logistics professional seeking software engineer position at your company. My graduate research instilled in me an Agile, customer-focused approach to software development. I reinforce this results-focused approach with a commitment to continually improve the quality, maintainability, and readability of my code.

Education

Master of Science Computer Science | Spring 2018
Eastern Washington University, Cheney, WA

Bachelor of Science Professional Aeronautics | Fall 2010
Embry-Riddle Aeronautical University, Daytona Beach, FL

Employment

Material Handler | Oct 2017 - Present
Matheson Flight Extenders, Spokane WA Station

F-16 Avionics Technician | 2002 – 2009
US Air Force

Software Development Skills

Full-Stack Developer

- o 8 years programming languages: Python, C, Java, Bash
- o 2 years web development: HTML5 / CSS, JavaScript, jQuery, Django
- o 4 years database: PostgreSQL, MySQL, Microsoft SQL Server
- o 10 years Linux: Arch-Linux, Fedora, Ubuntu

Django Web-server: Chinese character calligraphy detection (Master's Thesis project)

- o Novel Interface Design: Precisely labeled bounding-box location 100,000+ characters on 2,000+ images
- o Data Visualization: Motivated user engagement by providing graphical reports on project progress
- o Machine Learning: user validated data improved SVM noise-filter performance from 64% to 79%

Database: PostgreSQL

- o Complex Data Migration: Web-scraping and data-wrangling to indirectly clone CADAL database
- o Object Relational-Mappers: Primarily used SQLAlchemy for database interaction
- o SQL Statements: Used SQL when ORM methods are not efficient, like for scalar operations.

Software Teamwork

- o Active community member: Maintain 19 Arch-Linux software packages including Keras.
- o Project contributor: Added Systemd instructions to Gunicorn Documentation
- o Version control: Publish changes to Arch-Linux software packages through git interface

External Links:

- o Thesis: [Video demonstration](#), Thesis [report](#), Thesis [presentation](#)
- o [Arch-Linux Packages](#)
- o [Gunicorn Documentation](#): Pull Requests: [1260](#), [1357](#), [1376](#), [1398](#), and [1424](#)
- o [GitHub](#) project samples: [draw_chars.js](#), [views.py](#), [models.py](#)

References

Work:

Rob Thorson

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Education:

Prof. Imamura Kosuke, PhD

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