

Kellen Jia

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SUMMARY

Experienced and data-driven engineer with strong teamwork and project management skills.

EDUCATION

The Ohio State University - B.S. Electrical and Computer Engineering (May 2014)

Udacity - Full Stack Web Developer Nanodegree Program

SKILLS

- **Web Programming:** Django, Flask, Bootstrap, JavaScript, jQuery, AJAX, KnockoutJS
- **Programming language:** Python, Java, SQL
- **Other:** Git/GitHub, Linux, AWS, OAuth2.0, PostgreSQL, Apache2.0

PROJECTS

Dynamic City Info Lookup website- [GitHub Address](#)

- Developed A single-page responsive web application featuring a map of China with city info.
- Implemented functionality including highlighted locations, Wikipedia extract and Bing images about those location
- Skills used: HTML5, CSS, JavaScript, KnockoutJS, jQuery, Google Map API, Wikipedia API, Bing Image Search API.

Music Records Catalog website - [GitHub Address](#) – [Application URL](#)

- Developed an application that provides a list of music records within a variety of genres
- Registered users will have the ability to post, edit and delete their own music records in website's database
- Skills used: Python, SQL Alchemy, Flask, JavaScript, CSS, HTML, Google OAuth API, PostgreSQL

Personal Website Portfolio- [GitHub Address](#) – [Application URL](#)

- Developed one centralized website to display my personal projects using Python, Django and Bootstrap
- Utilized responsive display that works perfectly on mobile or on a TV with a clean and easy to use layout

WORK EXPERIENCE

The Whalen Company - Electrical Engineer, Easton MD (Aug 2016 - Present)

- Providing electrical drawings and control documents for heat pumps and fans coils
- Developed electrical documents for new packaged water source heat pumps and two stage heat pumps
- Developed and tested new controllers
- Tested units inside the climatic chamber

Hyoseong America Inc. - Quality Engineer/ Quality Manager, Fairfield, OH (Jun 2014 - Aug 2016)

- Led the TS documents preparation for the annual TS audit
- Developed work instructions, control plans, PFMEA and flow diagrams for the new installed Honda Civic line
- Designed the inspection and rework processes
- Recorded and analyzed defect rates from each assembly line

Electro-Science Lab, The Ohio State University, Columbus, OH - Student Research Assistant (Dec 2013 - Jan 2014)

- Compared the correlation in frequency responses for millimeter wave wavelength wireless communication
- Assessed the possibility of implementing millimeter wavelength wireless transmission in future technologies