# Yang Luo

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## SUMMARY & OBJECTIVE

Self-starting, dedicated full-stack developer well rounded in Python. Outstanding communication skills with vendors and customer. Self-motivated in a quickly changing environment. I am seeking an opportunity where I will be challenged by learning new skills and technologies while contributing to a team with the assets I already possess.

## TECHNICAL SKILLS

*Languages:* Python, C#, Java, JavaScript,                 **Frameworks**: Flask, Django, Asp.Net Core, Angular, EF
*Front-end:* HTML, CSS, Bootstrap, jQuery, jQuery UI, AJAX    *Others:* Git, AWS, Azure
*Databases:* MySQL, SQLite

## TECHNICAL PROJECTS

1/18 – 3/18   **Web Inventory System**, *Coding Dojo*
- Developed an online inventory system (in C#) that allows users to create, update, and edit inventory
- Utilized access control to improve security and inventory management
- Built multiple features such as search list and read/edit mode by using jQuery and Ajax

10/17 – 1/18   **Web Developer**, *Book-Yelp Project, Coding Dojo*
- Built a web application (in Python) called Book-Yelp that allows user to publish crowd-sourced reviews about books.
- Applied Object-Relational Mapping(ORM) to interact with databases, utilized Ajax to optimize user experience.

9/15 – 3/16   **Game Programmer**, *Self-learn at an open course learning platform*
- Created a Battle City game (in Java) with 10 levels that allows users to save and retrieve game status.
- Built Graphic User Interface (GUI) and user can customize level

2/11 – 6/11   **Developer Lead**, *undergraduate VB course project, Shanghai, China*
- Developed an application (in VB) of train schedule inquiry system. Designed GUI, created database of user information, interacted with National Rail Enquiries API and Open Weather Map to enhance user experience.

## EXPERIENCE

10/16 – Present **Mechanical/Project Engineer**, *RAAS Nutritionals, LLC, Thousand Oaks, CA*
- Collaborated with team in building up new plant from pilot phase to manufacturing phase.
- Designed production process and equipment layout, ensure process and equipment comply with GMP, FDA, HACCP.
- Mastered skills in SolidWorks and AutoCAD, created 2D & 3D drawing of production process, equipment and facility.
- Presented and explained project scopes to appropriate vendor, directed mechanical equipment purchase as required.
- Conducted preventative maintenance and calibration on mechanical equipment.

2/16 – 10/16   **Mechanical Engineer**, *TeleSonic Packaging Corporation, Wilmington, DE*
- Teamed with Senior Engineers, designed various machines such as conveyor and horizontal packaging system.
- Conducted 3D modeling, simulation and fatigue analysis of components using CAE and FEA.
- Facilitated communication among customers, engineering department and sales team. Prepared machine specifications and cost estimates, worked closely with purchasing team, saved more than 200000USD.
- Installed and tested machines, troubleshot machine malfunctioning effectively.
- Provided technical support to clients on site or on the phone.

## EDUCATION

10/17 – 3/18   **Web Development Training, Coding Dojo,** Los Angeles, CA
- Completed 20 weeks immersive full stack development program with over 1000+ hours of hands-on coding experience in HTML, CSS, JavaScript, Python and C#

8/13 – 8/15   **Mechanical Engineering (M.S.), Washington University in St. Louis,** St. Louis, MO         GPA: 3.71/4.00
- Courses: Mathematics of Modern Engineering, Control System Design, Finite Element Analysis

8/09 – 8/13   **Printing Engineering (B.S.), University of Shanghai for Sci &Tech,** Shanghai, China         GPA: 3.11/4.00
- Courses: Visual Basic, Classical Control Theory, Advanced Mathematics, Electronics and Circuits