

# Josephine Garcia

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**Objective:** I am an ambitious, flexible, and independent student looking for a dynamic full-time position, where I can explore the possibilities of engineering and apply the knowledge and skills I've learned in the classroom.

## Education

University of Hartford, West Hartford, CT

GPA: 3.78

Double Degree: Electrical Engineering and Computer Science

Expected graduation: May 2020

Core Coursework: Fundamentals of Computing I & II – Data Structures – Software Development – Data Mining – Continuous Control Systems – Digital Signal Processing – Random Signals & Noise – Communications Engineering – Microprocessor Applications – Electric Circuits I & II – Electronics I & II – Discrete and Continuous Systems – Digital Design using CPLDs

## Skills

Programming Languages - Java (Proficient), Python (Proficient), LabVIEW (Proficient), C/C++ (Familiar), MATLAB (Familiar)

Technical Software - AutoCad, Solidworks, PSPICE, Cadence, Xilinx ISE, VHDL, Verilog, Microsoft Power BI

Languages - English, German, and Tagalog

## Technical Experience

Bauer Inc., Bristol, CT

### Engineering Internship - Wheel Torquing System Redesign

May 28 - Aug 16 2019

- Modified LabVIEW Nut Runner program to communicate with new hardware using Open Protocol
- Determined deficiencies in the existing program and upgraded it by adding new features and capabilities
- Tested and documented Nut Runner to ensure that the design specifications were met

University of Hartford, West Hartford, CT

### Integrated Solutions Learning Experience Internship

May 30 - Aug 2 2018

- Designed and modeled components using SolidWorks for an automatic pill dispenser
- Wrote Python script that dispensed pills at specified time intervals for demonstration
- Rapid prototyping using additive manufacturing

### The GARY Sorter, automatic trash can

Jan 3 - May 4 2018

- Created a Python program that utilized TensorFlow to recognize common garbage items
- Organized a voice of customer survey and analyzed data sets to determine design specifications
- Rapid prototyping

### Data Extraction, Visualization, and Application (D.E.V.A)

September 2018 - May 2019

- Developed iOS native application capable of extracting and transferring sensor data into the created database
- Researched various methods of visualizing data for future evolvement of the project

## Other Work Experience

Stanley Black & Decker, Hartford CT

### Data Analytics Intern

December 2018 - current

- Conducting research and analyzing data on sustainable packaging

University of Hartford, West Hartford, CT

### College of Engineering, Technology, and Architecture (CETA) Ambassador

Aug 2017 - current

- Mentors first year students and presents details of various CETA programs
- Collaborates with other ambassadors to promote CETA programs

## Activities

Robotics Club

Society of Women Engineers

Women's Advancement Initiative

CEIA National Conference Presenter

BMES National Conference Poster Presenter

Resident Assistant

## Honors & Achievements

Zerban/Tau Beta/ Kappa Scholarship

May 2017, 2019

Nancy O. Klock & Stanley W. Klock Jr. Scholarship

May 2018

van Helm, Heywood and Shadford, Inc. Endowed Scholarship

May 2018

Robert E. Donovan Scholar

Oct 2018, 2019