


Cornato Ron Vella


 Software & Mechanical Engineer 

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SKILLS

Programming: HTML, CSS, Ruby on Rails, SASS, C++ (previous experience), Bootstrap, Arduino (micro controller), Python3
Engineering: Matlab (**previous experience**), Simulink, AutoCAD, Creo, Pro/Engineer, Inventor, Revit, SAP 2000, LabView, Ni Multisim, Wolfram Mathematica, MySQL/SQL
Machine Shop Tools: Makerbot 3D Printer, Band Saw, Boring Tool, CNC, Bridgeport, Lathe
Other: Adobe Illustrator, Microsoft Office



EXPERIENCE

BD-Electronics Malta, Europe
Software Developer internship Aug 2018- Sep 2018

- IT support of over 200 computers which included diagnostics and adding a new active directory
- Build a web scrapper using Python3

General Atomics-ASI San Diego, California
Airworthiness Engineer (Associated Engineer) Jul 2016-Dec 2017

- Provided direction, formulated plans for solution development, while meeting compliance, and safety standards of Unmanned Aerial Surveillance Systems (UAVs) through the guidance of regulatory artifacts, lessons learned and communication between engineers, executive directors and customers.
- Created and managed multiple Trackers using excel, managed progress on certification documents and reported findings to director of engineering and lead weekly team meetings on overall progress.

Department of Energy, Solar Decathlon, University at Buffalo Team Buffalo, New York
Measured Contest Captain, DOE National Sustainable House Competition (Internship) May 2014-Aug 2015

- Oversaw 10 volunteers in Mechanical, Electrical, Plumbing (MEP) systems
- Designed system type/layout of both HVAC and plumbing with Revit and Energyplus; Unique HVAC design
- Won 2nd place; is now a classroom to educate Architects students at University

NASA Micro-G Next Houston, Texas
Student Engineering Designer and Researcher (School Project) Feb 2015-Aug 2015

- Designed and built a specimen grabber for astronauts that utilizes singlehanded operations
- Designed testing procedure for Neutral Buoyancy Lab and composed Ops Plan on how Quad Claw works
- Patent pending Specimen grabber design



EDUCATION

CareerFoundry | **Certificate in Web Development / Full Stack Engineering** August 2017

- Intensive 6-month coding course with over 400 hours and a focus on mobile first responsive designs
- Front-End: Semantic HTML5 & CSS3, Bootstrap, Functional JavaScript, jQuery & AJAX
- Back-End: Ruby, Ruby on Rails MVC framework, User Authentication & Authorization, Stripe Payment Processing, Caching, Git version control, Heroku. SASS & BEM syntax

The State University of New York at Buffalo | **BS in Mechanical Engineering, Minor in Mathematics** December 2015

- Order of the Engineer, Honors SUNY IT, NSBE, UB SEDS, SHPE, EOP

LaGuardia Community College (CUNY) | **AS in Engineering Science: Mechanical Engineering** December 2013