



# Federico Naranjo Bellina

43 Greynam Court, Ottawa ON - K2G 5T4  
federiconaranjobelli@cmail.carleton.ca

Home: 613 480-6555

Cell: 613 790-7635

## Education

### Bachelor of Engineering - Electrical Engineering, with Coop

Minor in Computer Science

#### Carleton University, Ottawa, Ontario

- Third Year Standing - CGPA 9.9/12.0, B+
- Expected Graduation: June 2020

## Technical Skills

- Programming in C/C++ including dynamic arrays and singly-linked lists, testing automation, and debugging to create efficient and optimized solutions
- Well experienced with object-oriented programming with C#, using Visual Studio IDE in order to develop and test using the ASP.NET frameworks and MVC in order to improve and patch currently released Monitor application with CaseWare Inc.
- Experienced with Java using Eclipse, Android Studios IDEs to develop maintainable and reusable software, inheritance, data structures, RegEx pattern matching, GUI, and implementation of these concepts
- Experienced with using Swift within Xcode IDE to develop and optimize mobile applications for iOS, using view controllers, UIKit framework, control flow, and application of object-oriented design principles
- Familiar with web development, maintenance, and design with HTML, CSS, JQuery, PHP, and using MySQL for basic databases for HallowedHog.com
- Proficient with several office productivity applications such as Microsoft Office, Apple's iWork, and Google Docs

## Communication and Leadership Skills

- Experienced in presenting detailed and technical concepts to a non-technical audience in a concise and professional format
- Gained strong verbal/non-verbal, presentation, team building and active listening skills throughout previous work experiences and school assignments
- As a senior Sea Cadet member, taught weekly lessons according to a set curriculum by planning ahead and through the use of training aids for a period of 4 years resulting in successful training of over 150 junior cadets
- Fluent in both Spanish and English, intermediate level in French

## Applied Projects

### Personal Project

2015-Present

#### Mobile App Development

- Currently developing technical and debugging to build an app that will allow students to track their spending and then create infographics so they can better understand their spending habits
- Learning to use object-oriented design with Java and Swift within Android Studios and Xcode IDEs to build apps that are intuitive, responsive, and reliable, through self-directed learning and online resources
- Acquiring knowledge and practical experience with Android APIs and Apple's UIKit in order to design an intuitive GUI and seamless user experience

### Personal Project

2015-Present

#### Web Development

- Working on designing a new modern website with a focus on UX for Hallowed Hog Satirical Newspaper, alongside a colleague
- Gaining proficiency and practical knowledge in employing various web development scripting languages such as HTML, CSS, and Ruby-on-Rails frameworks
- Redesigning entire layout to be more user-friendly, intuitive, and better suited for mobile traffic, as well as implementing a new method of viewing articles

### Team Member

Sept-Dec 2015

#### CCDP 2100 Class Term Project

- Designed a talking spice container and rack activated with an accelerometer for the visually impaired to identify specific condiments with an auditory message as part of a collaboration with the Accessible Housing Initiative Project (AHIP)
- Worked as a group to research and revise aspect of design and feasibility of device; personally designed the program and researched motion detection techniques to create a product that would be easy to use and practical for the user
- Presented findings and final design both with a technical report and professional presentation to an audience of peers and AHIP representatives

## Extra-Curricular Activities

- **Institute of Electrical and Electronics Engineering:** Computer Society Vice Chair, helping organize the Student Professional Awareness Conference
- **Humanitarian Organization of Latin American Students:** assisting at fundraising events and organizing the Inspira Youth Leadership Conference