Federico Naranjo

Electrical Engineering – Minor in Computer Science

Experience

Software Developer Intern | CaseWare Inc   Sept. 2016 – Aug. 2017

- **Designed and built an automated testing framework** that greatly reduced regression testing effort by finding defects early in the development cycle.
- Gained proficiency and practical experience with **C#**, **Selenium**, **Gherkin**, and **Visual Studio** IDE, and with creating and maintaining large projects.
- **Documented** entire framework using **XML** documentation and a **Markdown** guide to allow project to be understood and maintained by the team.

Ground Station Software Developer | CU Inspace   Sept. 2017 – Present

- **Designing and implementing ground station software** in order to receive and view telemetry data from our rocket in real-time during the Intercollegiate Rocket Engineering Competition (IREC).
- Using **Electron API** to develop a **cross-platform application** that can **parse and display telemetry data** such as temperature and air pressure as it is received and overlay the GPS location/trajectory on top of a map view.

Teaching Assistant | Carleton University   Sept. 2017 – Present

- Helping students **understand and master** basic **programming (C)** and software development **concepts** during weekly lab sessions.

Personal Projects

Locations iOS App   June 2016 – Present

- Developed an **iOS application** which allows the users to navigate a map and save various locations and view them later, **to learn new skills**.
- Using Apple frameworks such as **MapKit** and **CoreData** with Apple's design principles (HIG) to create an **intuitive and responsive user interface.**
- Using this experience **to organize a workshop** teaching others how to create a similar app and **using iOS app development tools with Github.**

Verbose Wall Clock

- **Designing and building** hardware and software for a wall-mounted clock, with a **Raspberry Pi** to contact servers and automatically adjust the time, **to challenge myself** and reinforce the concepts I've learned in school.

Communication and Leadership Skills

- Strong **verbal/non-verbal, presentation, team-building,** and **active listening skills** from work experience, school projects, and extra-curriculars.
- Experienced with **presenting and explaining** detailed and **technical concepts** to a non-technical audience in a concise and professional format.
- Fluent in both **Spanish** and **English**, with an intermediate level in **French**.

- ✉ federiconaranjobelli@cmail.carleton.ca
- 📞 **cell:** 613 790-7635   **home:** 613 480-6555
- 🌐 **website:** riconaranjo.me/
- **linkedin.com**/in/federico-naranjo-bellina/
- **github.com**/FedericoNaranjo/
- **instagram.com**/riconaranjo/

Education

Carleton University

- **B.Eng. Electrical** – CGPA 10/12
  Third year standing | Graduation: 2020

Practical Skills

- **Programming:**
  C#, Swift, Java, C/C++, MATLAB, Ruby on Rails, HTML, CSS, JSON
- **Software Tools:**
  Visual Studio, Xcode, Selenium, Bash, TFS, Git, Eclipse, xUnit, MSTest, SIMULINK, PSpice, Ansys
- **Other:**
  Agile/Scrum, testing automation, debugging, documentation, Affinity Designer, Pixelmator

Extra-curriculars

- **IEEE Carleton Student Branch:** *Computer Society Chair,* helping to organize competitions / workshops designed to help students learn new skills.
- **CUHacking:** *Logistics Director,* Organizing logistics and assisting with planning of hackathon of over 400 students.
- **CU Photography Club:** *Member,* Participating in the monthly collections and photo-walks.