

Federico Naranjo

Electrical Engineering – Minor in Computer Science

Empathy
Feedback
Inquire

Experience

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

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

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 for IREC competition.
- Developing Linux application that can parse and display telemetry data 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.

Team Leader | Gather-Ring Project June 2016 – Present

- Designing a tracking system to be installed on the Gather-Ring art exhibit.
- Tracking visitors with ultrasonic sensors and microcontrollers to control LED lights with patterns to create an interactive community space.

link: carleton.ca/our-stories/story/gather-ring/

Extra-curriculars

- **IEEE Carleton Student Branch, Computer Society Chair**: helping to organize competitions / workshops designed to teach students new skills.
- **CUHacking, Logistics Director**: organizing hackathon for over 400 students, to encourage learning and collaboration between students and industry.
- **CU Photography Club, Member**: participating in monthly collections and social events

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🌐 github.com/riconaranjo/

🌐 [instagram.com/riconaranjo/](https://www.instagram.com/riconaranjo/)

Education

Carleton University

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

Practical Skills

- **Programming:**
Swift, Java, C#, C/C++, MATLAB
- **Software Tools:**
Visual Studio, Xcode, Selenium, Bash, TFS, Git, Eclipse, SIMULINK
- **Other:**
Agile/Scrum, testing automation, debugging, documentation

Awards

- **APEO Scholarship (2017)**
Awarded for community involvement while maintaining academic success.
- **Murdoch Maxwell MacOdrum Scholarship (2016)**
Awarded to outstanding students
- **Dean's List (2016)**
Awarded to students that achieve a GPA of 10/12 (80%)

Interests

- Photography, Reading, Hackathons, Design, Soccer