

# Federico Naranjo

Electrical Engineering – Minor in Computer Science

Empathy  
Focus  
Input

## Experience

### CaseWare | Software Developer Intern 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.

### Carleton University | Teaching Assistant Sept. 2017 – Present

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

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## Projects

### Gather-Ring Project | Team Leader January 2018 – Present

- Designing a tracking system to be installed on the Gather-Ring installation.
- Managing project and delegating tasks, to ensure the proof-of-concept is functioning and built within budget and on schedule.
- Tracking visitors with ultrasonic sensors and microcontrollers to create patterns using LED lights to create an interactive community space.

### Locations iOS App June 2016 – August 2017

- 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.

## 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.

## Interests

- Photography, reading, hackathons, soccer, technology, design (*I created this resume in Affinity Designer*).

## Education

### Carleton University

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

## Practical Skills

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

## Awards

- **People's Choice (2018)**  
Awarded at McHacks for creating 'best hack', voted by participants.
- **APEO Scholarship (2017)**  
Awarded for community involvement and academic success.
- **Murdoch Maxwell MacOdrum Scholarship (2016)**  
Awarded to outstanding students.
- **Dean's List (2016)**  
Awarded to students for academic excellence.