

# Robert McConnell

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I am currently studying Electronic and Computer Engineering in Dublin City University.  
I am passionate about technology, fixing broken things and learning.

## Education

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2014-Present	Dublin City University <i>Electronic and Computer Engineering</i>
2008-2014	Belvedere College SJ <i>Secondary Level Education</i>

## Experience

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Summer 2015	<b>Intern, Performance Engineering Laboratory</b> - Dublin City University, Dublin. Built a new website using HTML, CSS and Javascript with the Bootstrap framework under the supervision of Dr. Gabriel Miro Muntean for the Performance Engineering Laboratory. Improved the design and user experience of the site by restructuring the navigation and updating the outdated style using the scrollspy.js Bootstrap plugin and some Javascript. The new site is also responsive to different screen resolutions unlike the old site.
February 2012	<b>Intern, Graffiti Design</b> - Fairview, Dublin. During my time in Graffiti Design I assisted in the backing up of their databases after a computer crash. It provided valuable technical experience and showed me how to work in a constantly changing environment that lacked usual business structure.

## Accomplishments/Interests

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- Experience in C/C++ and Java. (Software Development - Class rank: 1 of 170, Grade: 95%)
- Comfortable with various Linux distributions.
- First Year Representative of Redbrick, DCU's Computer Networking Society.
- Mentor in DCU CoderDojo teaching programming to kids and volunteered at events such as Coolest Projects.
- Helped organise and participated in the Belvedere Sleep Out two times and also made the website for the events and donations.

## Projects

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### *Wallpaper to Theme* - Java

A program that generates a terminal colour scheme from a wallpaper.

- Implements 'Lloyd's Algorithm' and 'K-Means Clustering' to determine the most dominant colours in the image.

## References

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Available upon request.