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# E-Voting

by Mark Kelly | Lei Shi | 9th February 2018

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# Background

- Students' Union - Institute of Technology Carlow
- Paper ballot system
- Online voting system
- Hybrid voting system



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Institute of Technology Carlow  
**Students' Union**



## Meet student Karl.

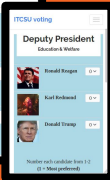
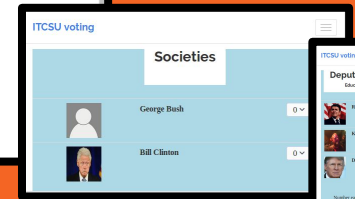
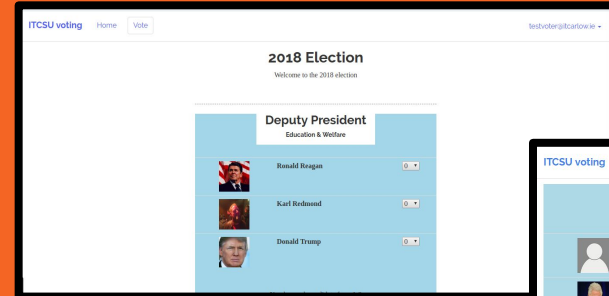
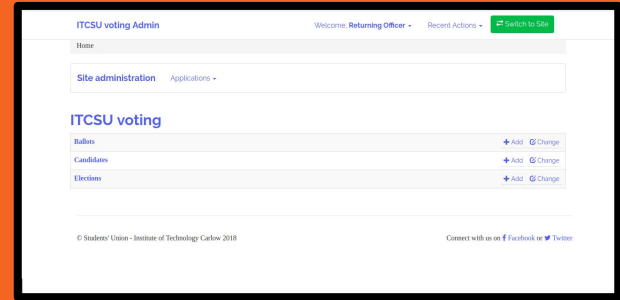
Last year he got a work placement in Dublin.

He had no way to vote in the college election, as he was off campus.

*Story for illustration purposes only*

# Iteration one

- ✓ Version control
- ✓ Django project
- ✓ Voting app
- ✓ Database
- ✓ Email client
- ✓ Login system
- ✓ Admin user interface
- ✓ Create election
- ✓ Create ballot
- ✓ Create candidate
- ✓ Voter user interface
- ✓ Submit vote
- ✓ Votes stored in database



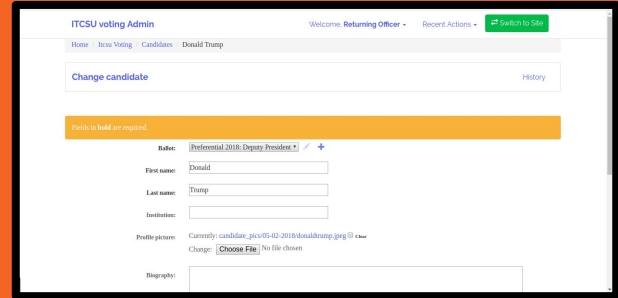
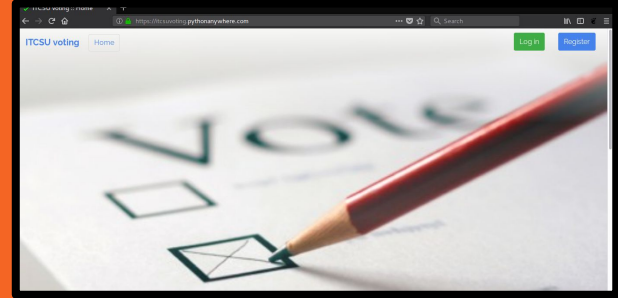
# Iteration two

## Achieved

- ✓ Deploy to pythonanywhere
- ✓ Add file upload option for candidate's profile picture

## Objectives

- ✗ Student registration
- ✗ Display results to admin
- ✗ Unit testing
- ✗ Pen testing



# Challenges ahead

- Trust
- Transparency
- Dapp (decentralized application)
- Blockchain technology

**“The people who cast the votes don't decide an election, the people who count the votes do.”**

**- Joseph Stalin**

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**Thank you for your  
time.**

**Any questions?**



# References

→ **Slide 2**

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→ **Slide 3**

Thanks Karl

→ **Slide 6**

BrainyQuote. 2018. The people who cast the votes don't decide an election, the people who count the votes do. - Joseph Stalin -

BrainyQuote. [ONLINE] Available at:

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