





# David Wang

 [github.com/Devmalion](https://github.com/Devmalion)



## Projects

-  **MirOS (Python)** October 2015
- Created a Smart Mirror that syncs to a user's phone to display dynamic widgets
  - Developed an application for Linux to recognize voice commands and receive data from a webcam
  - Won Best Hardware Hack at Hack Western with a team of 4
-  **Globe (HTML, CSS, Javascript)** October 2014
- Developed an Android app that unlocks uncovered portions of a world map based on where the user has travelled
  - Incorporated the Google Maps API to enable interactivity
  - Leveraged the Cordova framework to develop for Android using HTML, CSS and Javascript
  - Won Best Overall App at CodeDay Chicago 2014 with a team of 4
-  **Plants vs Zombies (Java)** April/2014 - July/2014
- Developed a personal version of the popular mobile game Plants vs Zombies with a partner
  - Built an artificial intelligence system for 19 friendly/enemy units
  - Designed the Graphical User Interface
  - Gained valuable debugging skills with large scale Java Projects

## Work Experience

-  **Software Engineer** May/2016 - Aug/2016  
Capital One Software Studio, Toronto, Ontario
- Tasked with developing and launching an Android application into production
  - Communicated with multiple teams to achieve objectives
  - Practiced agile methodologies and regularly adjusted to new goals

## Activities

-  **Co-Founder and Executive Member,** Dec/2014 - May/2015  
Massey Hackers, Windsor, Ontario
- Co-founded the inaugural club for app development along with 3 other executives, consisting of 47 members
  - Developed a course outline to span 12 weeks
  - Organized group events to participate in Hackathons
  - Improved leadership skills (organizing, planning)
-  **Senior Leader,** Sept/2014 - May/2015  
Computer Science Club, Windsor, Ontario
- Assisted in teaching 18 students computer science algorithms
  - Prepared students for computer science competitions (CCC, ECOO)
  - Improved communication skills through teaching

## Technical Skills

- | Proficient        | Tools        |
|-------------------|--------------|
| • Python          | • Photoshop  |
| • Java            | • InDesign   |
| • C / C++         | • Word       |
| <b>Familiar</b>   | • Excel      |
| • HTML            | • Bash       |
| • CSS             | • Git/Github |
| • Javascript      | • VS Code    |
| • SQL             |              |
| <b>Frameworks</b> |              |
| • Node.js         |              |
| • Android         |              |

## Education

- **Candidate for Bachelor of Computer Science, Honours Computer Science (Sept/2015 - Present)**  
University of Waterloo

## Awards and Scholarships

- **Vincent Massey Secondary School Honour Roll with Distinction (2011-2015)**
- **University of Waterloo President's Scholarship (2015)**  
Achieved an admission average between 90-94.9%

## Interests

- Binging through video games  
Favorite Titles:  
Star Wars: KOTOR  
Metal Gear Solid V
- Playing airsoft - Military Simulation, CQB Gameplay
- Capturing nice scenic photos