

# Michael Kim

1B Computer Science at University of Waterloo  
Expected Graduation Year: 2021

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## Tech Skills

- Proficient in (3+ yrs.): C++, Java, HTML, CSS, Javascript, Wordpress
- Familiar with (< 3 yrs.): Node.js, Arduino, Git, Jekyll, LaTeX, Android Studio

## Soft Skills

- High proficiency in French (verbal + written) and Korean (verbal)
- Excellent leadership skills and independent work ability developed through academics
- Can quickly learn through self-teaching

## Education

**University of Waterloo** – 2016 – 2021  
Candidate for B.CS –  
(90% 1A Average)

- Relevant courses: *Designing Functional Programs, Elementary Algorithm Design*

**Marc Garneau Collegiate Institute** – Ontario  
2012 – 2016  
Secondary School Diploma

- Enrolled in **Talented Offerings for Programs in the Sciences**

## Awards

**University of Waterloo** 2016  
Entrance Scholarships

- *President's Scholarship of Distinction* (95%+ admissions average)
- *Michael Egan Entrance Scholarship in Computer Science* (academic merit)

**Educational Computing Organization of Ontario** 2015, 2016

- Semi-finalist (~ top 25%) for team coding contest out of 400+ teams

## Interest

- Hobbies: rhythm games, composing music, ...
- Interested in machine learning, compiler construction, virtual reality

## Projects

**Personal Website** Jun 2016 – Present

/lenkagamine.github.io

- Built portfolio website to showcase personal projects
- Developed with modular code, tags, and smooth page transitions
- **Technologies:** Jekyll, Javascript, Github Pages, Liquid markup

**Enlighten – /Enlighten** Jul 2015 – Present

[enlighten-game.herokuapp.com](http://enlighten-game.herokuapp.com)

- Created multiplayer web game in JavaScript
- Reduced payload size and optimized canvas drawing to double gameplay speed
- **Technologies:** Node.js, Socket.io, Heroku's PaaS

**The Reckoner Mobile App** Aug 2015 – Jun 2016

Google Play: [The Reckoner of MGCI](https://play.google.com/store/apps/details?id=com.michaelkim314.reckoner)

- Led small team developing mobile app to view student newspaper articles
- Built and published first release in three weeks
- **Technologies:** Android Studio, Java, XML, JSON, Wordpress, REST API

**1315-MH Wind Tunnel** Dec 2015 – Feb 2016

/AP-Physics

- Built wind tunnel with force sensors measuring lift/drag forces on airfoils
- Developed GUI interface to control and monitor wind tunnel
- **Technologies:** Arduino, Java, Ardulink

**Director of Web Development** Sept 2014 – Jun 2016

**The Reckoner –** ([thereckoner.ca](http://thereckoner.ca))

- Managed team of six web developers for student high school newspaper
- Oversaw server hosting, delegated tasks to web staff
- **Technologies:** Wordpress, PHP

## Volunteering

**Jr. Deep Staff Counsellor** Jul 2014 – Aug 2014

**University of Toronto**

- Served as counsellor at Jr. Deep Summer Program
- Organized events and activities with campers, supervised group on excursions