Michael Kim

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

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Skills

- Exprienced in (3+ yrs.): C++, Java, HTML, CSS, Javascript, Wordpress
- Familiar with (< 3 yrs.): Node.js, Arduino, Git, Jekyll, LaTeX, Android Studio
- High proficiency in French (verbal + written) and Korean (verbal)
- Excellent leadership skills and independent work ability developed through academics
- Learns quickly through self-teaching

Projects

Personal Website – /lenkagamine.github.io
Jun 2016 – Present
- Designed and coded portfolio website to showcase personal projects
- Developed with modular code, tags, and smooth page transitions
- **Technologies: Jekyll, Javascript, jQuery, Github Pages, Liquid markup, Sass**

Enlighten – /Enlighten (*enlighten-game.herokuapp.com*)
Jul 2015 – Present
- 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 – (Google Play: *The Reckoner of MGCI*)
Aug 2015 – Jun 2016
- 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 – /AP-Physics
Dec 2015 – Feb 2016
- 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 – The Reckoner (*thereckoner.ca*)
Sept 2014 – Jun 2016
- 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 – University of Toronto
Jul 2014 – Aug 2014
- Served as counsellor at Jr. Deep Summer Program
- Responsible for wellbeing of up to 30 grade 4 students
- Organized events and activities with campers, supervised group on excursions

Education

University of Waterloo – Candidate for B.CS (90% 1A Average)
2016 – 2021
- Relevant courses: *Designing Functional Programs, Elementary Algorithm Design*
- *President's Scholarship of Distinction* (95%+ admissions average)
- *Michael Egan Entrance Scholarship in Computer Science* (academic merit)

Marc Garneau Collegiate Institute – Ontario Secondary School Diploma
2012 – 2016
- Enrolled in **Talented Offerings for Programs in the Sciences**

Interests

- Hobbies including rhythm games, composing music, solving Rubik's Cubes
- Interested in machine learning, compiler construction, virtual reality