

Michael Kim

Skills

- Language experience: C++, Java, HTML, CSS, Javascript, LaTeX
- Experience developing with Node.js, Arduino, Git, Jekyll, Wordpress, Android Studio
- High proficiency in French and Korean

Education

- University of Waterloo** – Candidate for Bachelor of **Computer Science** (1B) Sept 2016 – Present
- Expected Graduation Year: 2021
 - Relevant courses: *Designing Functional Programs, Algebra, Calculus 1*
- Marc Garneau Collegiate Institute** – Ontario Secondary School Diploma Sept 2012 – 2016
- Enrolled in Talented Offerings for Programs in the Sciences

Projects

- Personal Website** – /lenkagamine.github.io Jun 2016 – Present
- Built using **Jekyll** on **Ruby**, **Javascript** page transitions, hosted on **Github Pages**
 - Used **Liquid markup** for modular code and tags for project page
- Enlighten** – /Enlighten - enlighten-game.herokuapp.com Jul 2015 – Present
- Created multiplayer web game in JavaScript using **Node.js** and **Socket.io**
 - Improved connection and gameplay **speed by 50%**, hosted on **Heroku's PaaS**
- The Reckoner Mobile App** Aug 2015 – Jun 2016
- Developed new mobile app, written in **Android Studio** using Java
 - Retrieves **Wordpress** articles using **WP REST API**
 - Available to public on Google Play ([The Reckoner of MGCI](https://play.google.com/store/apps/details?id=com.mgci.thereckoner))
- 1315-MH Wind Tunnel** – /AP-Physics Dec 2015 – Feb 2016
- Built wind tunnel with force sensors measuring lift/drag forces on airfoils
 - Controlled using **Arduino** microcontroller and **Java** with ArduLink

Experience

- Director of Web Development** – The Reckoner of MGCI Sept 2014 – 2016
- Executive of award-winning student newspaper of Marc Garneau C. I. (thereckoner.ca)
 - Website built on **Wordpress**, oversaw **server hosting** and web staff
- Web Developer** – TOPS Webteam Sept 2014 – 2016
- Administrator of the TOPS program website (topsprogram.ca)
 - Handle user registrations during high-traffic admissions period
- Jr. Deep Staff Counsellor** – University of Toronto Jul - Aug 2014
- Served as counsellor at Jr. Deep Summer Program
 - Helped senior staff with organization of events, activities with campers

Awards

- University of Waterloo Entrance Scholarships** Sept 2016
- *President's Scholarship of Distinction* (95%+ admissions average)
 - *Michael Egan Entrance Scholarship in Computer Science*
- Educational Computing Organization of Ontario Contest** Apr 2015, 2016
- Semi-finalist for team programming contest