




# David Kang

a.k.a. Seung Gyu Kang | 1B Software Engineering

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## Skills

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- > **Languages:** Competent: Python, Java, HTML, CSS, JavaScript | | Some experience: C, C++, C#
- > **Frameworks/Tools:** LibGDX, Box2D, React, Bootstrap, Foundation, Android, Firebase
- > **Graphic Design:** Adobe Creative Suite (Illustrator, Photoshop, After Effects, Premiere Pro)

## Projects

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- > **Plan Me** *MHacks 8*
  - Intelligent calendar based on personal priorities determined using pseudo-machine learning
  - Built using React, JavaScript (backend), and Firebase, working primarily on front-end
- > **Bepple** *Course Final Project (SE101)*
  - A suite of multiple “applications” on the Tiva Launchpad C Board + Orbit Booster Pack platform that turns the hardware into a “smartwatch” using the full set of I/O available
  - Written in C and C++ on the Energia platform forked from Arduino
- > **Inverzion** *Personal Project*
  - Fast-paced 2D platformer game: flip the sprite’s color to match the platforms and survive
  - Built with Java using LibGDX framework and Box2D physics engine
  - Original assets and audio (Adobe Illustrator and FL Studio), currently refactoring in Unity

## Additional Experience

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- > **IRHS DECA Chapter Director of IT**
  - Initiated and maintained the Iroquois Ridge High School DECA chapter website
  - Parsed through past exams to create a multiple-choice practice platform for students
  - Directed registration process and group study meeting sessions
- > **Ridge 360 Planning Committee**
  - Organized first-ever schoolwide conference “Ridge 360” on the topics of mental health, global citizenship, and leadership; corresponded with students, administration, and speakers alike
  - Directed and managed registration for 1500 students and 40 different workshops using Google Script

## Education

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- > **University of Waterloo** Bachelor of Software Engineering, Class of 2021(Expected)
- > **Iroquois Ridge High School** Class of 2016, Halton Proficiency Award, Average of 98.7%

## Awards

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- > **DECA International Career Development Conference Finalist** *2014, 2016*
  - Achieved Top 20 in Hospitality and Tourism Team Decision Making event
- > **CEMC Math Contests** *2012 ~ 2016*
  - 97<sup>th</sup> percentile twice in Euclid Math Contest, 1<sup>st</sup> place twice in Canadian Intermediate Math Contest

## Other Interests

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- > **Music**
  - A Cappella: The Water Boys, UW’s all-male auditioned group (ICCA Qualifier), Tenor 2 Section Leader
  - IRHS Concert Band Clarinet Section Leader
- > **Avid Tech Enthusiast**
  - Former editor-in-chief of tech blog *Inverted Tech Analysis* in a team of 4 (2013 ~ 2015)