Charles Zhang

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Education

Grade 12, Lisgar Collegiate Institute   September 2014 – Present
- **96.3%** GPA (Lisgar Silver Medal Recipient), enrolled in the gifted program
- Subject Award recipient in: Grade 12 Computer Science, Grade 11 Computer Science, Grade 11 Biology, Grade 11 Physics, Grade 10 Science, Grade 10 Math, Grade 10 Strings, Grade 10 French.

Completed DELF B1 Certification   November 2017

Experience

Club Head, Lisgar Math Contest Club   September 2016 – Present
- Deliver interactive math lessons in topics such as number theory to over 25 students each week
- Organize additional math events such as the CTMC, a school-wide team mathematics competition
- Manage communication and promotion for the Math Department through social media and email

President, DECA Business Club   September 2016 – Present
- Lead a team of 5 student executives and run training for the DECA Team of 40 students
- Manage thousands of dollars in planning for the provincial DECA trip in Toronto
- Founded a bi-annual stock market challenge and a finance-themed escape room to promote financial literacy in the student population.

Personal Math Tutor   October 2017 – Present
- Independent tutor offering private sessions in math, primarily in Grade 12 Functions and Calculus
- Creates web-applets in partnership with the Lisgar Math Department to improve math education

Founder, Lisgar Game Jam   March 2017 – Present
- Worked closely with the Lisgar Computer Science Department to bring a hackathon to Lisgar
- Created and ran workshops in Processing, a Java based language, to introduce students to coding
- Promoted the event by creating a website, selling custom buttons, and advertising on social media

Projects

Summer IOS and Android Development   August 2016 – October 2017
- Developed two separate mobile applications over two summers, EzJigsaw for IOS and TapeMeasure for Android. EzJigsaw is currently released onto the IOS app store, and has over 300 downloads.
- Practiced project management, testing, object-oriented programing, and revision control

Arduino Development   October 2016 – January 2017
- Worked with an integration of hardware and software to develop an autonomous maze-solving robot
- Developed hardware skills, including the creation and implementation of wiring diagrams

Website Development   October 2017 – Present
- Developed websites for the Math Contest Club and DECA business club so that students can stay updated and access previous lessons
- You can find links to the club websites from my personal website, charlesyz.github.io

Skills

- **Languages:** English and French
- **Programming:** Arduino, Java, Swift, C, C++, JavaScript, HTML, CSS
- **Technical**: Arduino, Microsoft Office, Photoshop, Xcode, Android Studio