

Zihan Ye

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TECHNICAL SKILLS

- Languages: C, C++, C#, Java, MySQL, and Python.
- Web Dev: ASP.Net, JS, HTML, CSS, JSON, XML and PHP
- Tools, IDEs: Git, JIRA, Git, Visual Studio, and Android Studio
- Operating Systems: Windows, Linux Ubuntu, and Mac OS
- Agile development and RESTful API development

PROJECTS

Student Attendance Signup System (Android App in Java) Jun 2018

- This application optimized the process of attendance signup: Instead of putting down names on paper sheets, students simply use mobile phones to sign up.
- Completed this app in Android Studio. Published in Google Play Store.
- Set up a website (www.squareink.xyz) and remote database to store students' and professors' information (login name, password, etc.) and signup sheet data.
- Established communications among application, database, and website using PHP, JSON, MySQL, and HTTP requests, which are invoked by Java. Available: <https://play.google.com/store/apps/details?id=com.squareink.zihan.sss>

OpenGL Cube Viewing (Qt project in C++) Mar 2016

- Completed this academic project with knowledge of transformation formula, mathematical matrix rotation, and OpenGL.
- Made up a 3D cube on OpenGL canvas by calling callback function: `addLine()`.
- Implemented rotation and zoom functions so that this cube can be drew from different views according to the movement of a user's mouse.
- Implemented orthographic view and perspective view by matrix transformation.

EDUCATION

B.Sc. Computer Science, Network Option

Sep 2013 – Sep 2017

University of Victoria, BC, Canada

PERSONAL SKILLS

- Play basketball and table tennis
- Prioritize multiple tasks and adjust workload to immediate situations
- Willingness to learn from other people; work well independently and as a group