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Github: <https://github.com/DoerJ>



Technical Skills



Programming Languages: Python, c, c++, x86-64 Assembly Language



Web Development: Web Design, HTML5, CSS3, SCSS, JavaScript, jQuery, Bootstrap, Cross-Browser Compatibility, Responsive Design



Android Development: Java, xml, Git, SQLite, APIs, Material Designs



Art Technologies & User Interface Design: Adobe Photoshop, Adobe Illustrator, Axure, Paper Prototype Techniques

Personal Projects

Personal Website (<http://doerj.github.io>)



January 2018 - February 2018

Tools: Photoshop . HTML5 . SCSS . Bootstrap

- Designed all web interface elements using photoshop to build the prototype of website
- Installed npm to utilize the real-time compilation from scss to css to speed up the coding process using the features of SCSS including nesting and mixins
- Applied grid system powered by Bootstrap to develop a responsive web page
- Published to Github page to let more people view my skills

Art of Music



February 2018 - March 2018

Tools: Photoshop . HTML5 . SCSS . JavaScript . jQuery

- Designed all the interface components in Photoshop to create the prototype of web page
- Built animated elements using SCSS to develop a dynamic web interface
- Utilized JavaScript and jQuery on HTML canvas elements to enrich user interaction including mouse float and scrolling effects

Easy Due



October 2017 - January 2018

Tools: Photoshop . Java . xml . APIs

- Developed an Android application that provides functionalities including live timing to help people manage their tasks easily and precisely
- Designed user interface using Photoshop that show the activities of application
- Rectified xml files to optimize the compatibility of application on multiple screen sizes
- Published to Google Play Store and installed by users from China and Brazil

Log-file Analysis



February 2018

Tool: Python

- Accurately computed the times each function is called and the runtime of each function to analyze the usage of each component of the program
- Devised and coded the algorithm that runs in linear time complexity using Python



Academic Projects

Health Manager (published)

January 2017 - April 2017

CMPT 276: Introduction to Software Engineering

Tools: Java . xml . Git

- Applied Agile method to lead 4 team members as project leader to iteratively develop an Android application
- Designed all user interfaces using Photoshop to develop a high-fidelity prototype of application
- Built a complete clinic system using Android SDK to support patients, doctors, and stakeholder on all kinds of clinic activities

3D Modelling Tool

September 2017 - December 2017

CMPT 361: Introduction to Computer Graphics

Tool: Java

- Wrote 8000 lines of code in Java to implement the major theories of computer graphics including polygon rendering, clipping, and lighting
- Applied anti-aliasing algorithms to effectively produce high quality lines and polygons
- Iteratively built a complete 3D modelling product that reads object file and accurately generates wireframe and shaded 3D model

HTTP Server

April 2017 - August 2017

CMPT 371: Data Communications and Networking

Tool: Java

- Utilized Java to develop a basic HTTP server that accepts user requests through TCP connection and displays requested local file on browser
- Developed functionalities that accurately parses user request messages and sends HTTP response messages if the file being requested is not available

Volunteer Experience

Customer Service

September 2014

Vancouver International Film Festival (VIFF), Vancouver, BC

- Volunteered as an usher to guide the audience to the events by communicating
- Reschedule the tasks of a team of volunteers by collaborating with the supervisor

Customer Service

December 2014

Vancouver Chinese Lantern Festival, Vancouver, BC

- Helped promote and sell souvenirs in events
- Collaborated with teammates to establish the settings for events
- Guided and answered guests to maintain the order of events

Education

Bachelor of Computing Science

September 2014 - Present

- Simon Fraser University, BC
- Minor: Mathematics
- Expected graduation: September 2019