# TECHNICAL SKILLS

* Programming/Languages: JavaScript, PHP
* Web Development: HTML5, CSS3, SASS, jQuery, Bootstrap, Angular JS
* Development Tools: Visual Studio Code, Git
* Systems: Windows, Linux

# PROJECT EXPERIENCE

**Education Institution Dashboard /** Project manager, Developer

* Took project manager role in team of 4
* Designed front-end with HTML, SASS, and Javascript.
* Created database and route functionalities with PHP and mySQL.
* Dashboard has 3 types of users(admin, teacher, student) and they can login to each dashboard.
* Admin users are able to manage users, courses and appoint teachers into different courses.
* Teacher users are able to enter or edit marks and comments.
* Student users are able to enroll for a course and see their marks and comments.

**Bakery Shopping Cart /** Developer

* Developed front-end with HTML, SASS, and CSS.
* Created shopping cart functionalities with Javascript and angularJS.
* Generated bread menu with angularJS array.
* Users are able to select bread type, quantity, and check total quantity and price.

**Singer Web Page /** Designer, Developer

* Created a singer (rock band) web page.
* Brainstormed and looked up some web pages as references to design the rock band page.
* Developed front-end with HTML, SASS, CSS, and Bootstrap.
* Built responsive design, carousel, modal box for register/login buttons using Bootstrap.

# EDUCATION

**Diploma in Web Developer Professional Courses**

Tamwood Career College, Vancouver, B.C. Sep. 2021 – Present

* Generated code interactive & client-facing websites using HTML, CSS, and JavaScript.
* Designed various styles with colors, fonts, backgrounds in CSS.
* Built responsive websites using Bootstrap or flex box and grid in CSS.
* Applied JavaScript and jQuery for validating the input given to the user Interface.
* Supported single page applications using Angular JS which includes Routing, Directives, and Templates.
* Created programming files using Git for version management.
* Installed, configured, and maintained operating systems such as Windows, Linux
* Learned how to develop well-organized, maintainable, object-oriented, unit-tested code in PHP

**Bachelor of Science in Material Science & Engineering**

Pusan National University, Pusan, South Korea Mar. 2009 – Feb. 2014

* Studied the basic concepts of atomic structures, crystal structures, phase equilibrium, and processes and applied these to understand the structures and properties of various materials.
* Improved basic understandings on semiconductor memory and logic devices and materials for logic, DRAM and non-volatile memories, such as flash memory.

# WORK EXPERIENCE

**Diffusion Process Engineer (DRAM)**

Samsung Electronics, Hwaseong, Gyeonggi, South Korea Sep. 2016 – Jul. 2019

* Implemented regular monitoring of inventory and open paths.
* Performed daily trend monitoring: Verified actions taken to drive continuous improvement.
* Analyzed experiment data to improve capacity, tool to tool variation, and defect performance.
* Used statistical analysis methods to develop data driven process improvement opportunities.

**Diffusion Equipment Engineer (DRAM)**

Samsung Electronics, Hwaseong, Gyeonggi, South Korea Feb. 2014 – Aug. 2016

* Improved equipment performance by providing timely repair and maintenance.
* Developed Standard Operating Procedures (SOPs) for maintenance activities.
* Tracked urgent interlocks or faults and verified following corrective actions.