

Anh Duc (Andrew) Bui

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EDUCATION

- The University of British Columbia** August 2015 - Current
Bachelor of Applied Science in Computer Engineering Expected graduation in December 2019

EXPERIENCE

- SMART Technologies** January 2018 - August 2018
Software Developer Intern
 - Developed a web-based application (SMART Learning Suite) that connects students, teachers and devices to transform classes into a new learning experience. The application lets teachers access their lessons anywhere and deliver them to the students' devices in real-time. The learning suite comprises lesson delivery, assessment, student collaboration and game-based learning activities.
 - Collaborated in a team of 9 developers to implement the system written in Vue.js, Ember.js and JavaScript (ES6). Committed to producing high-quality code with 95% unit test coverage. Worked with test developers to execute front-end testing using Selenium. Was exposed to full feature development from user story design to implementation. Executed the assignments on time and met 90% of the sprint deadlines. Supported over 180 schools and 20,000 teachers worldwide.
 - Evaluation received by manager: Outstanding.
- BuildDirect Technologies** May 2017 - December 2017
Software Developer Co-op
 - Contributed to the architecture design and wrote extensible back-end code for a micro-service infrastructure (Gateway Supply Chain) that provides optimal route options for delivering heavy-weight products from the origin to destination using RESTful APIs. The platform supports several other services such as cost estimation, shipment booking, and delivery tracking.
 - Collaborated in a team of 7 developers to implement the system written in TypeScript with strict lint rules and coding practices. Built with a range of cutting-edge technologies such as Azure, AWS, Node.js, Docker and MongoDB. Completed assignments on time while achieving more than 90% of unit test coverage. Implemented integration tests to ensure 100% successful interaction among internal components and external services.
 - Evaluation received by manager: Excellent.
- Navigos Search** June 2016 - September 2016
PHP Developer Intern
 - Implemented the back-end logic of a new feature for an MVP web application that was conceived to improve the search capability with real-time search engine.
 - Developed the system based on CodeIgniter web framework using PHP, MySQL, HTML, CSS, JavaScript and jQuery. Gained experience with Algolia search platform using RESTful APIs, which decreases query run-time to about 200ms comparing to 1200ms when searching on traditional MySQL databases.
 - Evaluation received by manager: Excellent.

PROJECTS

- Rugs Town:** An online platform that connects vendors/customers to sell/buy rug products. The platform enables customers to detect surrounding rug stores. AR technology is integrated to enhance the online shopping experience.
- CodePal:** A platform that allows students to learn new programming languages without any setup requirements. The platform provides with an IDE, StackOverflow and YouTube modules for quick research and discussion.
- Cookie4me:** An Internet-enabled and Arduino-based cookie dispenser that keeps track of the amount of cookies consumed by the user. The dispenser communicates with the server via HTTP requests and ESP8266 Wifi module.

SKILLS

- Back-end Development:** Node.js, Express.js, TypeScript, CoffeeScript, Azure, C++, Java, PHP.
- Front-end Development:** JavaScript, Vue.js, Ember.js, jQuery, HTML5, CSS3, Bootstrap.
- Databases and Misc:** Firebase, MongoDB, MySQL, Git, Bash, Unix, Agile, Scrum.