

# Anh Duc (Andrew) Bui

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## EDUCATION

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

## EXPERIENCE

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- **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 ES6. Committed to producing high-quality code with full test coverage. 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, TypeScript, ES6, Docker and MongoDB. Completed assignments on time while achieving more than 90% of test coverage.
  - 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

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- **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:** An online platform that allows students to learn new programming languages without any initial setup requirements. The platform is built with an IDE, Stack Overflow and YouTube 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 connected with the back-end using HTTP requests via ESP8266 Wifi module.

## SKILLS

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- **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.