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 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, JavsScript 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:** An online platform that allows students to learn new programming languages without any initial setup requirements. The platform provides 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

- **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.