

# Dara\_Nguyen

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## WORK EXPERIENCE

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Celayix Software

### Web Application Developer

Sep 2020 - present

- Build web applications' user interface using **React/Redux, TypeScript, JavaScript, Node.js** and integrate them with back-end APIs, as part of agile team
- Led the migration of several projects from JavaScript to TypeScript to improve code quality and maintainability
- Implement Data warehouse solution in **AWS Redshift**, build/deploy **AWS Lambda** functions in **Java**, and write efficient queries to retrieve data from AWS Redshift for various dashboard features

Red Rocket Creative Strategies

### Web Developer

May – Jul 2019

- Maintained content management systems including troubleshooting existing websites while ensuring cross-browser and multiple device type compatibility as per client request
- Provided support in implementation of custom websites in **WordPress**

## PROJECTS

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### Employee Directory

Jan – Apr 2020

- Designed and implemented UI for an employee directory for Associated Engineering using **C#, ASP.NET, AWS Lambda**, Entity Framework and **React**
- Implemented an efficient search flow using **ElasticSearch**, user authentication and authorization, and photo upload to Amazon S3

### Coder Community

May – Sep 2020

- Designed and implemented UI for a full-stack social network for programmers using **React, Redux** and **TypeScript**
- Created database schemas in **MongoDB**, and REST endpoints for various features such as customized profiles, personalized articles, comment system
- Integrated **WebSockets** to implement real-time chat

### Flashcard App

May - Jun 2020

- Designed and implemented a custom domain specific language for flashcards which parses user's input in a code editor and creates the UI simultaneously
- Developed using TypeScript and React, and performed unit testing using Jest

### UBC Campus Explorer

Jan – Apr 2020

- Employed test-driven development into building a full-stack web app with **RESTful API** to perform queries on UBC's course and room databases
- Created comprehensive **Mocha/Chai** unit tests to fully analyze user stories and efficiently implement back-end query engine in **Typescript**
- Performed async operations to retrieve web data and interact with ZIP files using **Node.js**

## EDUCATION

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### University of British Columbia

Sep 2017 - Present

B.Sc., Major in Computer Science

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Java, C, C++, C#, Python, SQL, and can learn anything else quickly

**Technologies:** React/Redux,

Node.js, MongoDB, GraphQL, Git, HTML/CSS, SCSS, WordPress

## TECHNICAL EXTRACURRICULAR ACTIVITIES

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### Code the Change, UBC

Sep 2018 – Jan 2019

- Collaborated with a team of 6 to build a website for a non-profit client from scratch using **WordPress, HTML/CSS** and **Bootstrap**; the website can be found at <http://patientsineducation.org/>

### Competitive Programming, UBC

Jan – Apr 2020

- Develop strategies and implement solutions for data structure and algorithm related problems using **Java** and **C++**