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# ALAN LEE

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<https://bleuchair.github.io/>

## EDUCATION

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**Toronto, ON**

**York University**

**Fall 2018 – Expected Jan 2023**

- B.Sc. in Hons. Computer Science. GPA: 3.0
- Undergraduate Coursework: Operating Systems; Mobile Computing; Databases; Algorithms; Programming Languages; Software Design; E-Commerce System.

## PROJECTS

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### Shopping Cart – NodeJS, Angular, ExpressJS

- A website that allows users to select categories of products to purchase, then sent to a shopping cart before shipping.
- Built on NodeJS Framework, ExpressJS for the backend APIs, Angular to handle the web templates and sqlite3 to access Database information.
- Implemented Single Page Application with Angular router to achieve dynamic routing and rendering when selecting a product within a category.
- Created a secure sign-up for users, by performing a PBKDF2 hash on passwords to be stored into a database.

### Drone – Java

- A Web API that allows users to input two street addresses and get the delivery time by drone.
- Built on a Tomcat Server, using HTTP services and features to create a RESTful API.
- Utilized HTTP GET request to retrieve additional information from a MapQuest API to compute the Haversine formula determining the estimated delivery time.

### Hackathon – ExpressJS, NodeJS

- A website that connects users with a similar selected interest into a chatroom.
- Implemented a matching algorithm to match users based on similar interests and to be routed to a different webpage featuring a chatroom.
- Created multiple backend APIs to handle the storage of user information and user sessions.

### Portfolio Website – HTML, CSS

- A website that showcases my projects and skills
- Built using HTML, CSS and Bootstrap
- Utilized Bootstraps flex classes to quickly manage the layout of HTML grids

## Languages and Technologies

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- Proficient: Java
- Prior Experience: C, SQL, JavaScript, NodeJS, Angular
- Visual Studio Code; Microsoft SQL Server; Eclipse