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Languages

- Java, C++, Python
- Javascript, NodeJS
- HTML & SASS
- ISML & DS

Frameworks

- React, Angular2
- Express, Demandware
- Mongoose

Tools

- DynamoDB, MongoDB
- Grunt, Gulp, Webpack
- AWS EC2, AWS Lambda
- Bash, Git

Education

Bachelor of Honours Computer
Science, University of Waterloo
Expected Apr. 2021
GPA 3.86/4 [86%]

Interests

- Cryptocurrency
- Poker
- Boxing and Basketball

Experiences

Sears Canada Initium Commerce Lab // Full-stack Developer

[2017] : Toronto, Ont. // ISML, React, SASS, NodeJS, DS, AWS Lambda, Grunt

- Developed and pitched a new **checkout POC** to executives to address abnormally **high cart abandonment** rates of **over 54%**
- Migrated legacy checkout **pipelines** into new **MVC design**
- Implemented **payment APIs** such as Avalara and Fluid
- Created modular **React/ISML UI** components focused on responsiveness and accessibility
- Analyzed and removed deprecated scripts and API's to **improve site load times** by approximately **3-5%**
- Normalized sandbox environments to **improve developer experience** and to allow for more **efficient usage** of resources

Freelance Developer

[2017 - present] : Markham, Ont. // React, Express, DynamoDB, Webpack, AWS

- Built a **custom real estate CMS** to allow clients to quickly update listings and images helping clients **save on billable time**
- Designed and implemented **UI** in accordance to the client's request with a **mobile-first approach** and **focus on code reusability** to prevent code bloating
- Helped clients reach a broader audience with **SEO optimization**
- Work can be viewed at lindagu.com

Projects

a-carousel NPM Module [current] : React, SASS, Grunt, NPM Registry

A npm module providing developers robust solutions for creating **UI Carousels**

Chess Engine [2017] : Python

A rudimentary chess engine for up to **6th depth game analysis**. Utilized **alpha-beta pruning** and **min-max** algorithms to find the next best move given a board position.

Event Roulette [2016] : Angular2 , Google Maps API

A web tool that leverages the **Google API** to help indecisive friends decide what activities they can do nearby.

Awards

2016	Top 10% in Canada	Euclid Math Contest
2015	Top 20 Internationally	DECA International ICDC
2015	2nd in Ontario	DECA Provincials