# BETH DING

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## EDUCATION

**B.Sc. Double Major in Computing Science and Mathematics**          **Sep 2017 - Grad: Dec. 2022**

University of Alberta, Edmonton, CA

**Relevant Coursework**

Software Engineering/Processes, Algorithm, Formal Systems and Logic, File and Database Management, Visual Recognition, Mathematical Modelling, Calculus, Linear Algebra

## SKILLS

**Coding Languages**: Java, C, Python, SQL, HTML/CSS, JavaScript, TypeScript
**Framework/Library**: React, Angular, Node, Express, Nest, Django, Android
**Languages**: English, Mandarin

## PROJECTS

**Forgettable**          **May 2021**

JavaScript, React, Express, MongoDB, Node

- Full stack **MERN** CRUD Project that allows clients to share images.
- It enables features like saving and sharing daily events with pictures and text in the form of image grid

**Image Detection and Classification on MNISTDD dataset**          **Nov 2020**

Python: Pytorch, Numpy

- Trained **deep neural networks** to predict and classify input image datasets. I was able to increase classification accuracy up to above 99.6% and detection IoU up to above 95%.

**Papr-w8 - Android App**          **Oct 2020**

Java, Android Studio, Firebase, UI design, **Object-Oriented Design**, Android Test, **Scrum**

- Allows users to record the books they have and loan them to other users.
- I wrote functionalities like **Google maps**, navbar, etc. which helps app more user friendly

## EXPERIENCE

**GhostLab**          **Jan. 2021 - April 2021**

Student Software Developer

- Built a web application on discounts and promo codes deployed to Bitcoin Well's network of Bitcoin ATMs with TypeScript and frameworks Angular, Nest, and database Postgres

**University of Alberta Hospital**          **May 2018 - Mar. 2020**

Volunteer at division of CT scan/cardiology

- Leading patients to the right places
- Organizing and delivering files; Storage stock up

**Intrap**          **May 2018 - Dec. 2018**

Escape Room Host

- Game room puzzle designing
- Interacted and guided the players with introductions, instructions, and hints to help them solve the puzzles and escape the room.