

Andrew Ahn

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EDUCATION

The University of British Columbia

Bachelor of Science in Computer Science

Vancouver, British Columbia

Sep 2022 – May 2027

- GPA: 87.2% (4.10/4.33)
- Coursework: Data Structures and Algorithms, Software Construction, Computer Hardware and Operating Systems

PROJECTS

OurBoard | *MongoDB, Flask, Three.js, HTML, CSS, JavaScript*

Jan 2024 – Jan 2024

- Worked with a team of 4 to build a full-stack web app that allows users to share photos on an AR bulletin board.
- Leveraged the **Three.js** framework to render custom images in AR by meshing them with geometric planes.
- Designed & built the landing page and AR page using **HTML, CSS and JavaScript**.
- Won **2nd place & Best Beginner Hack** at nwHacks, Western Canada's largest hackathon with 700+ hackers.

Study Sessions Wrapped | *MongoDB, Express, Node, React, CSS*

Sep 2024 – Jan 2024

- Programmed a full-stack web app that tracks a user's study sessions and provides periodic study statistics.
- Constructed an **Express** API that adds study sessions, adds courses & removes them from the database.
- Designed a **MongoDB** database to store course information such as title and amount of time studied so far.
- Built the front-end with **React**, implementing a React Context to store the course-list and a JavaScript stopwatch for recording study sessions.

NYT Connections Clone | *JavaScript, HTML, CSS*

Dec 2023 – Dec 2023

- Built a fully-functioning clone of NYT's daily "Connections" puzzle.
- Wrote **JavaScript** logic to validate user guesses and recreated the game UI using **HTML & CSS**.

Virtual Fridge | *Java, Java Swing, JUnit, JSON*

Jan 2023 – Apr 2023

- Made a **Java** fridge-item tracker that keeps the user's fridge clean by displaying foods that expire soon.
- Using **Java Swing**, built a front-end that communicates with the database and allows search functionality.
- Devised a **JSON** database to store food items in local storage, including relevant info such as expiration date.
- Achieved 100% test code coverage with the **JUnit** testing framework.

TECHNICAL EXPERIENCE

Software Developer | *UBC Launch Pad*

Sep 2023 – Present

- Building a mobile app called "Nom Appetit" that helps users choose restaurants.
- Implementing an **Express** back-end in a team of 4, featuring a **Firebase** authentication system.
- Working on a machine-learning algorithm for restaurant-recommendations based on user preferences.

NON-TECHNICAL EXPERIENCE

Undergraduate Teaching Assistant | *The University of British Columbia*

Sep 2023 – Present

- Delivered discrete mathematics & computer science content to over 170 students through interactive labs.
- Received a 94% favourable rating through student surveys.
- Diagnosed complex bugs in students' circuits and communicated them to students.

Air Cadet | *Royal Canadian Air Cadets*

Sep 2016 – May 2022

- Earned the 2nd-highest rank in a unit of 180+ cadets, directly in leadership of the entire unit.
- Closely mentored ~30 cadet instructors, receiving the "Heart of Griffon" award for high impact on the unit.
- Attained a Private Pilot License (~150 hrs of training) in 6 weeks.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, Java, C++, MongoDB, React, Express, Node, Three.js, Mongoose, JUnit
Other: Git, HTML, CSS, NoSQL, Heroku, Vercel, VS Code, IntelliJ, REST