

# DILLON BORDELEAU

Software Engineering Student

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## EDUCATION

B.S  
Computer Science  
Software Engineering Stream  
Carleton University

📅 2024 - current  
🎓 GPA: 11.45/12.0

B.S  
Neuroscience  
Carleton University

📅 2016 - 2019  
🎓 GPA: 11.33/12.0

### Awards

- Dean's List, 2016, 2017, 2018
- Published undergraduate researcher in the Chee lab

## SKILLS

- Python
- JavaScript/TypeScript
- React
- Node.js, Next.js
- Tailwind CSS & Bootstrap
- Django & Flask
- SQL/PostgreSQL
- Pandas

### Publication

- Loss of Glutamatergic Signalling from MCH neurons reduced anxiety-like behaviour in Novel Environments.
- Journal of Neuroendocrinology, 35(1).
- Sankhe, Bordeleau, Alfonso, Wittman & Chee (2022).
- <https://doi.org/10.1111/jne.13222>

## PROFILE

Detail-oriented Computer Science student with strong problem-solving abilities and focus on full-stack development. Skilled in Python, TypeScript/Javascript, and experience creating React and Flask apps. Passionate about learning new technologies and honing my craft. Seeking full-time software engineering internships where I can excel as an important part of your team.

## WORK EXPERIENCE

### Support Specialist

#### Shopify

📅 2020 - 2023

- Worked directly with Shopify store owners and Shopify support advisors/technical support teams to resolve escalated retail tickets outside of the scope of general support.
- Troubleshoot various features of the Shopify e-commerce platform, Shopify POS App and Shopify retail hardware during live interactions with Shopify merchants on phones, chats and emails.

### Director of Fundraising

#### Carleton University Neuroscience Society

📅 2016 - 2020

- Designed and ran events to raise funds for the society, including day of operations.
- Collaborated with charities, local businesses and the university to raise awareness and money for various mental health related causes.

## PROJECTS

### Portfolio Website

<https://dillonbordeleau.dev>

- This is a Next.js app I built to curate my projects and connect with recruiters while I searched for internships. The website is a single page composed of React components I wrote myself and animated with Framer-Motion.

### Face Mask Detection AI

- This is a two phase project where I trained an AI using a convolutional neural network to make predictions about whether or not someone in an image is wearing a face mask. The model was trained using Python with PyTorch. I also wrote a simple API in Flask and made a web-app where users could upload images and make requests for predictions through the API.

### Random Episode Fetcher

<https://southparkrandomizer.com>

- This is an Express app that uses The Open Movie Database API to generate random episodes of South Park. The site displays the episode title, poster image, and a synopsis. The user has the ability to mark an episode as already seen to prevent it from generating again, and there is a dark mode toggle.

### Embedded Systems Weather Monitor w/ Raspberry Pi

- I'm currently working on an embedded systems project where I hope to build a weather monitoring system using a Raspberry Pi Pico W, a temperature sensor, a humidity sensor and a LCD display. I am writing the microcontroller code in C++.