

# CARSON BARNSTABLE

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## EDUCATION

**University of Alberta, Edmonton, AB – Fall 2021 - Spring 2025**

**Pursuing BSc: Computing Science Specialization w/ Minor in Business**

- Achieved 3.96 / 4.0 GPA over All 6 Semesters Completed (first 3 years)

**Notable Scholarships and Awards:**

- NSERC Undergraduate Student Research Award
- UofA Science Academic Scholarship
- A Louise McKinney Post-Secondary Scholarship
- CIPS Stan Heaps Memorial Scholarship
- Faculty of Science Gold Standard Scholarship (×2)
- Ivy and William Thomson Scholarship
- ARA Foundation Region 10 Dorothy Wellnitz Scholarship & General Undergraduate Scholarship

## WORK EXPERIENCE

**Full-Stack Web Developer Intern - All-Star Telescope – May 2024 - September 2024**

- Built a critical checkout customization to ensure reservation orders were caught and handled
- Created Remix-based custom apps to improve fulfillment efficiency, speed, and organization
- Designed and integrated multiple new engagement-driving initiatives (including the Triple APOD)
- Integrated a web-scraping framework for automated anonymous monitoring of competitors

**Undergrad Teaching Assistant (CMPUT 201) - University of Alberta – Sept 2023 - May 2024**

- Led 2 weekly lab sessions (helped students with labs & answered questions on class concepts)
- Managed weekly newsletters for consistent communication between over 600 students & 25 TAs
- Demoed student labs (random 1/3 of students chosen per week) to verify lab understanding
- Coordinated with teaching team to create lab marking scripts & hand-mark midterm/final exams

**Undergraduate Research Assistant - University of Alberta – May 2023 - September 2023**

- NSERC USRA recipient (1 of 3150); Bioinformatics (Omics) research under Guohui Lin, PhD
- Answered to two graduate students (Shashank Pathak & Farishta Kabir) for all-purpose assistance
- Investigated theories / wrote scripts to test ideas over datasets / collected & analyzed results
- Participated in weekly whole-team meetings to ensure research was was productive & on track

**Data Entry/Synthesis/Validation - Multiple e-Commerce Sites – May 2022 - Present**

- Created & Maintained Shopify product pages for 2 local stores (*All-Star Telescope* & *GameTheory.ca*)
- Aggregated product info from over 50 different vendors' websites / datasheets / price lists
- Composed consistently-formatted product listings for 2500+ products from 30+ product categories
- Verified prices periodically to ensure compliance with MAP lists & maintain pricing competitiveness
- Independently ensured prompt turnaround times for processing emailed work requests

**Customer Service Associate - Lowe's Home Improvement – February 2021 - August 2023**

- CSA for Lumber & Building Materials; Filled-in in Cashier & Customer Service when needed
- Oversaw lumberyard (assembled online orders and loading customer vehicles)
- Operated reach truck to move merchandise & cut shop to cut lumber to desired sizes
- Assisted hundreds of daily walk-in customers with finding products and planning projects

## VOLUNTEER EXPERIENCE

**nathACKS 2023 (Canada's Largest Neurotech Hackathon) - presented by NeurAlbertaTech**

- General Volunteer - responsible for all food over weekend (including setup / distribution / cleanup)
- Supported Tech (hardware setup & live stream) and Campus-Guides (for event visitors & guests)

## OTHER ACHIEVEMENTS

- Top 2% (for Completion) in the International Advent of Code Challenge (by Eric Wastl) 2023
- Male Student Athlete of the Month (Curling - December 2020) - Strathcona High School 2020
- Successfully Completed Bronze Cross & Bronze Medallion Lifesaving Courses 2019

## FAMILIAR TECHNOLOGIES

- Languages/Technologies : Python | C | Java | RISC-V | JavaScript | Lisp | Liquid | SQLite | GraphQL
- Relevant Tools / Software : Linux | Git(Hub) | VSCode | Microsoft Office (+Excel) | Google Workspace
- Frameworks / Libraries : Remix | Node.js | Android | Firebase | Pandas | BioPython | PyGame

**References Available upon Request**