

BRYNN BELECKI
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Education

Bachelor of Applied Science in Engineering Physics

Expected Graduation April 2028

University of British Columbia

- GPA: 92%
- Notable courses: circuit design and analysis, software design, mechanics of materials

Experience

CNRL Exploitation Student

January 2025 – April 2025

- Built a fault slip analysis tool in python and excel which determines risk of slipping, plots each fault, and runs a Monte Carlo analysis on the dataset
- Built excel tools using VBA to query company databases and analyze production data
- Analyzed well completion and performance data and presented it to management to inform future well completions

Stantec Field Services Summer Student

May 2024 – August 2024

- Kept a detailed record and provided quality control for underground infrastructure installation by up to five crews simultaneously
- Caught four major installation mistakes, coordinated with contractors and consultants to resolve them, and successfully monitored the subsequent removal and repair process

Technical Projects

Robot Summer (Robotics Project Course)

April 2025 – August 2025

- Won third place in the robot competition by working in a team of four to build a fully autonomous robot that navigated a course to pick up objects and deposit them in a safe area
- Designed, modelled and built a mechanical claw with four degrees of freedom; iterating the design using laser cut and 3D printed pieces
- Wrote software in c++ to coordinate driving, claw actuation, and object detection using lidar and a magnetometer

UBC Concrete Canoe (Engineering Student Design Team)

September 2023 – August 2025

- Learned naval architectural theory to iterate a computer model of the surface of a canoe in FreeShip, improving the maneuverability and decreasing turbulent flow
- Performed structural analysis on the canoe design using Solidworks, RISA and excel
- Worked with team members to cast, cure, sand and repair the canoe, receiving second overall at the ASCE Concrete Canoe Competition and eighth overall at the Canadian National Concrete Canoe Competition

Skills

Software: Solidworks, Onshape, Github, IntelliJ IDEA, Matlab, Microsoft Excel, FreeShip, Bluebeam, Tableau

Languages: Java, Python, C++

Other: Class 5 Alberta Driver's Licence and clean Driver's Abstract