BAKNEL JAMES MACZ
COMPUTER ENGINEERING

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Key Skills

- Programming
  - Experience with: Java, C, C++, Javascript
  - Familiarity with: Python, Octave/MATLAB, HTML/CSS, SQL
- Communication
  - Professional experience giving presentations
  - Professional experience drafting training materials and documents
- Management
  - 8 years professional experience as the manager of small teams

Education

- University of British Columbia :
  - Bachelor of Applied Science, **Computer Engineering**
  - degree expected 2023

Technical Projects

- RISC (reduced instruction set) computer
  - Turing complete computer built from first principles on an FPGA programmable board.
  - Using VHDL, Assembly programming
- Interactive custom google map
  - Webapp to find the best Tim Hortons in the lower mainland to cry in. Data compiled by a roommate's project
  - Using Javascript, flask, GoogleMaps API, HTML/CSS, SQL
- Dancing robot
  - Simple robot with pre programmed dance moves using servo motors and an arduino microcontroller. Also included rgb lights, an LCD display and a 3D printed body
  - Using python, electronic components and circuitry

Interests et cetera

- Completed online courses: Harvard's *CS50* and Stanford's *Machine Learning and AI*
- Likes to play the flute and sing karaoke