

EDUCATION

University of Waterloo, Waterloo, Ontario
Candidate for *Bachelor of Software Engineering* (BSE); 1B
1A Cumulative Average : **89.13%** – Dean's Honour List

TECHNICAL STRENGTHS AND SKILLS

Computer Languages C, C++ (Strong), Java (Experience), HTML, CSS, Bash, L^AT_EX (Familiar)
Tools Git, SVN, Vim

- Proven strong understanding of C++ by working for a 4th-year design team analyzing open-source 3D printing slicing software for diaphyseal bone manufacturing.
- Developed exceptional leadership, team and communication skills through soccer goalkeeping at the highest level in Canada, for the professional Toronto FC Academy, Ontario Provincial Team, and Kitchener Soccer Club.
- Expressed exemplary verbal communication skills by participating in the Southern Ontario Model United Nations.

EXPERIENCE

Work for 4th-Year Design Team – Diaphyseal Bone Manufacturing
C++

- Tasked with analyzing open-source 3D slicing software to improve the deconstruction of SolidWorks models into functional G-code for 3D printing.

TinyHFS – Hierarchical File Storage System
C/C++

github.com/Bupenieks/TinyHFS

- Developed and implemented a lower-level, navigable, bitwise file hierarchy with primitive UNIX-like commands

Android Development
Java

github.com/Bupenieks/MusicTester

- Created a simple music theory and skill testing app to learn more about android development.

Academic
Scholarships and Awards

- Recognized by the 1A term's **Dean's Honour List**
- University of Waterloo **President's Scholarship of Distinction** – 97% high school average
- University of Waterloo **Engineering Entrance Scholarship**
- **SAT** Subject Tests Math 1: 800 - Physics: 800 - **Perfect scores**
- **ACT** Math: 36 - Science: 36 - **Perfect scores**; English: 34 - Reading: 34 - Writing: 11 - 99th percentile overall

Athletic
Professional, Provincial and Local Experience

- Goalkeeper; Toronto FC – Member of the Toronto FC Academy Team
- Goalkeeper; Ontario Provincial Soccer Team – International Events in Barcelona, Spain
- Goalkeeper; Kitchener Spirit Rep Soccer Team
- Recruited by the MIT head soccer coach based on academic and athletic ability

Academic Tutoring, Clubs, Volunteer & Community

- Physics Club & AP Calculus AB Club Founder; St. David Secondary School
- Academic Tutor, Mathematics and English, grades 9 - 12
- Model United Nations member; Kitchener & SOMA participant; Toronto, ON
- Math, Chemistry Club member, Math team competitor; St. David Secondary School
- Community Liaison for Constituency Communications; Local Member of Provincial Parliament Office
 - Canvassed and campaigned for the local candidate during two elections

Interests: Music - Royal Conservatory Trained, Skiing, Single Scull Rowing, Travel (Europe/UK/Middle East)