

NIKO HOOGEVEEN

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EDUCATION

Queens University, Bachelor of Applied Science, Computer Engineering, Smith School of Engineering **2019 – 2023**

Relevant courses taken include but not limited to:

- Object Oriented Programming, Digital Systems Engineering, Algorithms, Software Development, Computer Networks, Neural and Genetic Computing, Database Management Systems
- C, C++, Python, Java, JavaScript, SQL, HTML, Microsoft Office Applications, MATLAB

EXPERIENCE

Canadian Coast Guard Inshore Rescue, Marine Search and Rescue Unit **April – September (2021-2023)**

- Two summers as crew member responding to search and rescue calls and serving the community. Trained in search and rescue operations, seamanship, and communications with both internal and external stakeholders in high pressure situations.
- Promoted to commanding officer of a search and rescue station for summer 2023.
- During training and rescue operations developed critical thinking skills and disciplined approach to problem solving in situations often involving meaningful risk.
- Team based approach essential to delivering successful search and rescue outcomes.
- Professional environment with an emphasis on teamwork and communication.
- Strong listening skills required to completely understand issues and risks before taking action.

Private Tutoring, Mathematics and Computer Science **2021 – Present**

- Delivered one-on-one tutoring sessions with freshman and sophomore undergraduate students in computer science and math subjects.
 - Used strong communication skills as well as deep understanding of core concepts to ensure students fully understood and were comfortable with course material.
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RELEVANT ENGINEERING PROJECTS

Creation of Recipe Generation App

- Took part in a Hackathon event with three other computer engineering students.
- The app is called “PantryPal”. The user can scan/add food items to their “pantry” and the app generates a list of recipes based on the ingredients in the user’s pantry.
- App was developed using Android Studio and Java.

Digital Systems Engineering Project

- Collaborated with three other students to design, simulate, implement, and verify a RISC-style computer on Quartus II.
- Computer consisted of a simple RISC processor, memory, and I/O
- Through many hours of work and persistence, the group was able to create a working system and implement it on a physical Altera Cyclone V chip.

ADDITIONAL EXPERIENCE/EXTRA CURRICULARS

Experience – Minor Hockey Referee, Lifeguard/Swim Instructor, Ski Instructor, Camp Counsellor. Global Perspectives Program 2018 (<https://youthambassadors.barrie.ca/>)

Interests - Kitesurfing, Downhill Skiing, Road & Mountain Biking, Ultimate Frisbee.