NIC DURISH
DEVELOPER · DESIGNER

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ABOUT ⓘ

A hard-working and goal-oriented computer scientist with extensive professional and academic experience. Commended for productivity, affability, leadership, and diagnostic skills. Driven by interests in design, integration, and community.

EDUCATION 🎓

Master of Science: Computer Science
March, 2020   *University of Guelph*
>90% graduating average
Specialized in Human Computer Interaction

Bachelor Of Computing
June, 2016   *University of Guelph*
>80% graduating average
Minor in Economics
Certification in Business Administration

TECHNICAL SKILLS 🛠

Programming: Python3 · Java · JavaScript (ES6) · C · R · Shell · YAML

Web Development: CSS3 · SASS · HTML5 · Apache · Nginx · Jekyll · Wordpress · Bootstrap

Databases: MySQL · PostgreSQL

Methodologies: Agile · Scrum · ITIL · WCAG · AODA · Test-Driven Development

Tools: AWS · Firebase · Ansible · Docker · Office 365 · iSuite · GSuite

& More!

CERTIFICATIONS 🏅

Emergency First Aid
Standard First Aid
CPR (Class C)
Ski Instructor & Coach (Level 1)
ORCKA Moving-water (Level 1)
ORCKA Flat-water (Level 2)
Drivers License (Class C)

💼 EXPERIENCE

Broadband Research Intern · The RightMesh Project   *Mitacs Accelerate*
Jan, 2019 - Present   *Ottawa, ON*
- The first intern selected for the $2.2 million Mitacs Accelerate Grant, funding a collaborative research project between UoG and the Left.io office in Maple Ridge.
- Led the design, deployment and maintenance of the Rigolet Internet Assessment Initiative to measure and analyze broadband connections in support of Mesh Network development.

Android & Web Developer · The eNuk Project   **Guelph & Memorial Universities**
Sept, 2017 - Dec, 2018   *Guelph, ON & St. Johns, NF*
- eNuk is an Inuit-led web and mobile application designed to help users track and analyze environmental changes, and resulting cultural, physical, and mental health impacts.
- Led the development team which involved collecting specifications, building prototypes and ultimately designing and developing the iOS and Android applications and web-portal.
- Collaborated with external development team who was utilizing our API
- Built the project website which was designed and built by hand, and connected to the WordPress CMS to allow for editing by non-programmers.

Teaching Assistant · CIS*3750 System Design & Analysis   **University of Guelph**
Sept, 2017- Dec, 2018   *Guelph, ON*
- Aided Dr. Gillis & Mr. Rea in holding office hours, creating curriculums, slides, and materials, managing email correspondences, designing and marking student assignments and tests, invigilating examinations, and teaching weekly labs.
- The course explored the broad and vast methods of developing and designing Information Systems, such as UI design, prototyping, Agile development and AODA/WCAG compliance.

Foreman & Quality-Assurance Officer   **Treeline Reforestation**
May - July, 2015, 2016 & 2017   *Englehart, ON*
- Managed a 10.5 million tree planting contract and 60 employees under the MNR. Responsible for the training, production, tree quality, and wellbeing of 16 planters.

Teaching & Research Assistant · ICON Ideas Congress   *University of Guelph*
Jan, 2016 - May, 2016   *Guelph, ON*
- A multidisciplinary course, that challenges students to address social issues by connecting them with community partners. Responsibilities included assisting teaching in the classroom and performing research on multidisciplinary pedagogy.

Teaching Assistant · CIS*2050 Computers and Society   *University of Guelph*
Jan - May, 2015 & 2016   *Guelph, ON*
- Aided Dr. Chiu in; holding office hours, creating curriculums, and materials, managing emails, marking assignments, and invigilating examinations.

General Manager   *The Magic Sponge Bar and Hostel*
Oct, 2011 - June, 2012   *Kampot, Cambodia*
- Responsible for all financial, legal, operational and staffing of bar and hostel.

★ HONOURS, AWARDS & SCHOLARSHIPS

School of Computer Science Teaching Assistant Award of Excellence   *2019*
- The University of Guelph recognizes a single students "outstanding contributions in improving the undergraduate learning environment" annually.

Guelph Graduate Tuition Scholarship · $18,000.00   *2017 - 2019*
- The GTS is awarded to a single student per year, nominated by their college to recruit top students within their field.

Guelph Chamber of Commerce Awards of Excellence: Young Innovator Award   *2018*
- Annual Awards of Excellence is Guelph's appreciation event for Innovative community members.

Northern Scientific Training Program Grant · $3,604.45   *2017 & 2018*
- Sponsored by Polar Knowledge Canada (POLAR) to foster science and technology in Canada's North.

Physical Science & Engineering Research Centre Travel Grant · $1000.00   *2018*
- Awarded to fund my attendance and presentation at the People, Places and Public Engagement Conference.

Net Zero Hackathon · 1st Place & Human Factor Award   *2015*
- Won 1st and the Human Factor Award for our Android app named ElecTrickle, which helps communication between users and energy companies.

Summit of Universities Fighting World Hunger's Pitch for Progress · 1st Place   *2015*
- Won 1st and $2000 at the CBASE for a project that best focussed on social and environmental change, hosted at UoG.

Feeding 9 Billion Hack-a-thon · 1st Place   *2014*
- Won 1st and $1000 for Sustain-a-Bin, the autonomous compost bin which displays the cost of food waste to consumers.

Elevator Project: Guelph's Community Launchpad · $1,500.00   *2015*
- Sustain-a-Bin was within the top 15 most interesting projects, voted by the community of Guelph.

♥ VOLUNTEER EXPERIENCE

Public Relations and Outreach   *Ontario Universities Fair*
2014 - 2019   *Toronto, ON*
- Met with potential students and parents to talk about the School of Computer Science program at UoG.

Computer Science Educator   *Northern Lights Academy*
2018 - 2019   *Rigolet, NF*
- Provided lessons to Inuit children on Scratch, Raspberry Pis, RightMesh wireless mobile mesh networking, and more.

Food Vending Support   *Hillside Festival*
2014 - 2019   *Guelph, ON*
- Helped organize and restock food vendors with ice, propane, refrigerated food, plates and cutlery at Hillside Festival.

Lead Coordinator   *Guelph Coding Community*
2015 - 2016   *Guelph, ON*
- A student run biweekly tech talk where students meet to share CompSci stories, projects, problems and presentations.

Secretary   *Society of Computer and Information Science*
2015 - 2016   *Guelph, ON*
- Voted into Secretary of SOCIS; an organization focussed on running and managing student outreach events.

🗎 PUBLICATIONS

The CIS∗3750 Systems Analysis & Design in Applications Student Manual   *Non-Refereed*
Gillis, D., & Durish, N.   *2019*

The eNuk Environmental and Health Monitoring Program   *Refereed*
Polar Knowledge: Inaugural Edition · Article   *2018*
Kipp, A., Cunsolo, A., Gillis, D., Sawatzky, A., Cook, O., Durish N., Shiwak I., Flowers C., Rigolet Inuit Community Government & Wood M.

🖥 NOTABLE PRESENTATIONS

Building Foundational Skills & Community-Engaged Software Design   *Guelph, ON*
Spring IT Conference · Invited Keynote   *2019*
Durish, N. & Gillis, D.

Supporting Community-Based Monitoring With Technology In The Circumpolar North.   *Happy Valley-Goose Bay, NF*
Labrador Research Forum   *2019*
Durish, N. & Gillis, D.

Using Mesh Technology to Support Climate Change Monitoring.   *Montreal, QB*
Indigenous Mapping Conference   *2018*
Rourke, K., Durish, N., & Gillis, D.

Supporting Community-Based Monitoring in the Circumpolar North.   *Ottawa, ON*
ArcticNet   *2018*
Durish, N. & Gillis, D.

Bridging the Digital Divide and Improving Community-Based Monitoring Programs in the Circumpolar North.   *St, Johns, NL*
People, Places and Public Engagement   *2018*
Durish, N., Seymour, F., Rourke, K., Raturi, S., Hughes, B., Harper S., Cunsolo A., Flowers F., Shiwak I., Wood M., Gillis D. & Ernst, J.

Community Engaged Computer Science: Lessons Learned in the Pursuit of Social Justice.   *Taipei, Taiwan*
g0v-zero Summit · Invited Presentation   *2018*
Durish, N. & Gillis, D.