NIC DURISH

DESIGNER · TINKERER
COMPUTER SCIENTIST

ND

[WWW.NICDURISH.CA](http://www.nicdurish.ca)

GUELPH, ON
1.613.922.9631
MAIL@NICDURISH.CA

NICDURISH @DURISHN /DURISHN

STRENGTHS

Project Management
Problem Solving
Teamwork
Presentation Skills

TECHNICAL SKILLS

C · Python · Java
MySQL · PostgreSQL
CSS · HTML · Javascript
YAML · Git · Cron · Regex

CERTIFICATIONS

Emergency First Aid
Standard First Aid
CPR (Class C)
Ski Instructor (Level 1)
Ski Coach (Level 1)
Drivers License (Class C)

PERSONAL INTERESTS

Camping · Canoeing · Skiing
Carpentry · Restoration
Automation · Tiny Homes
Backyard Chickens

EDUCATION

2019 · 2017 — MASTER OF SCIENCE: COMPUTER SCIENCE — UNIVERSITY OF GUELPH
90%+ Average · Specialization in Human Computer Interaction
Research focus on the Digital Divide; the impacts and causes of disparate access to digital systems and literacy within Canada.

2016 · 2012 — BACHELOR OF COMPUTING — UNIVERSITY OF GUELPH
Minor in Economics & Certification in Business Administration
80%+ Average

EXPERIENCE

Present · 2018 — DEVELOPER & RESEARCH INTERNSHIP — MITACS ACCELERATE · OTTAWA, ON
Left.io & University of Guelph - The RightMesh Project
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, BC. where I split my time helping to develop the RightMesh Mobile Mesh Network.

2018 · 2017 — PROJECT MANAGER & RESEARCH ASSISTANT — UNIVERSITY OF GUELPH · GUELPH, ON
The eNuk Project
The eNuk web and mobile application is designed to track and analyze changes in climate and environment, and the resulting cultural, physical, and mental health impacts. This project is being developed for and by the Inuit of Rigolet, Labrador.

2018 · 2017 — TEACHING ASSISTANT — UNIVERSITY OF GUELPH · GUELPH, ON
*CIS*3750 - System Design & Analysis (2 semesters)*
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.

2018 — DEVELOPER & RESEARCH ASSISTANT — MEMORIAL UNIVERSITY · ST JOHNS, NF
The eNuk.eco Webpage
Hired by Dr. Ashlee Cunsolo, director of the Labrador Institute, to build a static website for the eNuk Project. The website was designed and built by hand, and connected to the WordPress CMS to allow for editing by non-programmers.

2017 · 2015 — FOREMAN & QA OFFICER — TREELINE REFORESTATION · 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.

2016 — TEACHING & RESEARCH ASSISTANT — UNIVERSITY OF GUELPH · GUELPH, ON
ICON: Ideas Congress
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.

2016 — LIFT OPERATOR — MOUNT WASHINGTON ALPINE RESORT · COMOX VALLEY, BC
Operated and maintained the lifts, welcomed and helped patrons to safely mount the lifts, operated lift controls, validated tickets, and assisted ski-patrol.

2016 · 2015 — TEACHING ASSISTANT — UNIVERSITY OF GUELPH · GUELPH, ON
*CIS*2050 - Computers and Society (2 semesters)*
Aided Dr. Chiu in; holding office hours, creating curriculums, and materials, managing emails, marking assignments, and invigilating examinations.

2014 · 2013 — SILVICULTURIST — TREELINE REFORESTATION · ENGLEHART, ON
Personally planted over 300,000 trees over 2 seasons with long hours in arduous conditions through utilizing good work ethic and time management.

2012 — BAR & HOSTEL MANAGER — THE MAGIC SPONGE · KAMPOT, CAMBODIA
Responsible for all staff and operations of the bar and hostel as well as financial and legal matters.

2011 · 2009 — CAMP COUNSELLOR, SWIM INSTRUCTOR & LIFEGUARD — YMCA · SUDBURY & BELLEVILLE, ON
Responsible for the wellbeing, happiness, and learning of the kids in my class or cabin. Also taught; canoeing, windsurfing, rock climbing and outdoor skills.

♥ VOLUNTEER EXPERIENCE

2018   MASTER OF CEREMONIES   SOCS ORIENTATION WEEK OUTREACH EVENT · UNIVERSITY OF GUELPH, ON
Helped facilitate and MC some of the School of Computer Science Orientation week events.

2018   COMPUTER SCIENCE EDUCATOR   NORTHERN LIGHTS ACADEMY · RIGOLET, NF
Provided lessons to Inuit children on Scratch, Raspberry Pis, RightMesh wireless mobile mesh networking, and more.

2018 · 2015   PUBLIC RELATIONS AND OUTREACH   ONTARIO UNIVERSITIES FAIR · TORONTO, ON
Met with potential students and parents about the School of Computer Science program at UoG.

2018 · 2015   FOOD VENDING SUPPORT   HILLSIDE FESTIVAL · GUELPH, ON
Helped organize and restock food vendors with ice, propane, refrigerated food, plates and cutlery at Hillside Festival.

2017   MENTOR   IMPROVE LIFE HACKATHON · UNIVERSITY OF GUELPH, ON
Helped students with ideation, problem solving, communication, team work, and product development.

2016   MENTOR   FEEDING 9 BILLION CHALLENGE · UNIVERSITY OF GUELPH, ON
Helped students with ideation, problem solving, communication, team work, and product development.

2016 · 2015   LEAD COORDINATOR   GUELPH CODING COMMUNITY · UNIVERSITY OF GUELPH, ON
A student run biweekly tech talk where students meet to share CompSci stories, projects, problems and presentations.

2016 · 2015   SECRETARY   SOCIETY OF COMPUTER AND INFORMATION SCIENCE · UNIVERSITY OF GUELPH, ON
Voted into Secretary of SOCIS; an organization focussed on running and managing student outreach events.

⚒ PROJECTS

Present · 2018   LAWRENCEASSIST
A custom home automation system deployed on a Raspberry Pi using YAML and hass.io.

Present · 2018   WILDYBUS
A fully functional, off-grid home built inside a 1991 International School Bus (Instagram: @wildy_bus).

2016 · 2014   SUSTAIN-A-BIN
Tech start-up project focused on food waste reduction and consumer behaviour modification.

2015   ELECTRICKLE
Android application focussed on energy conservation and reduction at the consumer level.

★ HONOURS & AWARDS

2018   YOUNG INNOVATOR AWARD · GUELPH CHAMBER OF COMMERCE AWARDS OF EXCELLENCE   RECIPIENT
The annual Awards of Excellence is Guelph's appreciation event of the year for Innovative community members.

2018   CPHAZ SYMPOSIUM STUDENT SPEED PRESENTATIONS   3RD PLACE · $100
Won 3rd place in the Student Presentation Competition at the Centre for Public Health and Zoonoses Symposium.

2018   SCHOOL OF COMPUTER SCIENCE TEACHING ASSISTANT AWARD OF EXCELLENCE   NOMINATION
The University of Guelph recognized "outstanding contributions in improving the undergraduate learning environment".

2015   COMPUTER SCIENCE GAMES · SOCIAL COMPUTING COMPETITION   12TH PLACE
Represented UoG in the Web and Database Design Competition, placing 19th and 4th out of 28 universities.

2015   SCOTIABANK ECOLIVING AWARD   TOP 3 FINALIST
The ElecTrickle Team won 3rd nationally, receiving funding and a meeting with Arlene Dickinson for mobile application.

2015   HUMAN FACTOR AWARD   RECIPIENT · $200
Awarded to the ElecTrickle team for a computer science project that best took human factors into consideration.

2015   NET ZERO HACKATHON   1ST PLACE · $1500
Won 1st for our Android app named ElecTrickle, which helps communication between users and energy companies.

2015   10TH ANNUAL UNIVERSITIES FIGHTING WORLD HUNGER'S PITCH FOR PROGRESS   1ST PLACE · $2000
Won 1st and $2000 at the CBASE for a project that best focussed on social and environmental change, hosted at UoG.

2015   PLANTER'S CHOICE AWARD · TREELINE REFORESTATION   RECIPIENT
Voted Management Member of the Year after working as a foreman for Treeline Reforestation.

2014   FEEDING 9 BILLION CHALLENGE   1ST PLACE · $1000
Won 1st for Sustain-a-Bin, the autonomous compost bin which displays the cost of food waste to consumers.

2009 · 2007   TOP SKI RACER & JONATHON SWALLOW AWARDS - BATAWA SKI TEAM   RECIPIENT
Received Multiple Top Racer and Swallow Awards for my successes and leadership on the Batawa Alpine Racing Team.

$ SCHOLARSHIPS & GRANTS

2019 **GUELPH GRADUATE TUITION SCHOLARSHIP** $18,000
2017 The GTS is awarded to a single student per year, nominated by their college to recruit top students within their field.

2018 **PHYSICAL SCIENCE & ENGINEERING EDUCATION RESEARCH CENTRE TRAVEL GRANT** $1,000
Awarded to fund my attendance and presentation at the People, Places and Public Engagement Conference.

2018 **SCHOOL OF COMPUTER SCIENCE TRAVEL GRANT** $500
The SoCS Travel grant is awarded to student for conferences relating to the field of computer science.

2018 **NATIONAL SCIENTIFIC TRAINING PROGRAM GRANT** $2,804.45
Sponsored by Polar Knowledge Canada (POLAR) to foster science and technology in Canada's North.

2015 **ELEVATOR PROJECT: GUELPH'S COMMUNITY LAUNCHPAD** $1,500
Sustain-a-Bin was within the top 15 most interesting projects, voted by the community of Guelph.

📄 PUBLICATIONS

2019 **THE CIS*3750 SYSTEMS ANALYSIS & DESIGN IN APPLICATIONS STUDENT MANUAL** NON-REFEREED
Gillis, D., & Durish, N.

2018 **POLAR KNOWLEDGE: INAUGURAL EDITION · ARTICLE** REFEREED
The eNuk Environmental and Health Monitoring Program
Kipp, A., Cunsolo, A., Gillis, D., Sawatzky, A., Cook, O., Durish N., Shiwak I., Flowers C., Rigolet Inuit Community Government & Wood M.

🖥 PRESENTATIONS

2019 **SPRING IT CONFERENCE · INVITED KEYNOTE** GUELPH, ON
Building Foundational Skills & Community Engaged Software Design
Durish, N. & Gillis, D.

2019 **LABRADOR RESEARCH FORUM · ORAL PRESENTATION** PENDING · HAPPY VALLEY-GOOSE BAY, NF
Supporting Community-Based Monitoring With Technology In The Circumpolar North.
Durish, N. & Gillis, D.

2018 **WESTERN STUDENT RESEARCH CONFERENCE** PENDING · LONDON, ON
Bridging the Digital Divide with Mobile Ad Hoc Networks in the Circumpolar North.
Asch, M., Rourke, K., Seymour, F., Durish, N., Flowers, C., Wood, M., Gillis, D. & Ernst, J.

2018 **INDIGENOUS MAPPING CONFERENCE · INVITED WORKSHOP** MONTREAL, QB
Ideation Process, Identifying Problems RightMesh Can Solve I & II.
Gillis, D., Rourke, K., & Durish, N

2018 **COMMUNITY-BASED ENVIRONMENTAL MONITORING WORKSHOP · INVITED WORKSHOP** IQALUIT, NU
Developing an Inuit-led Community Health and Environment Monitoring System using MANETS in Rigolet, Nunatsiavut.
Durish, N. & Gillis, D.

2018 **ARCTICNET · ORAL PRESENTATION** OTTAWA, ON
Supporting Community-Based Monitoring in the Circumpolar North.
Gillis, D. & Durish, N.

2018 **PEOPLE, PLACES AND PUBLIC ENGAGEMENT · ORAL PRESENTATION** ST, JOHNS, NL
Bridging the Digital Divide and Improving Community-Based Monitoring Programs in the Circumpolar North.
Durish, N., Seymour, F., Rourke, K., Raturi, S., Hughes, B., Harper S., Cunsolo A., Flowers F., Shiwak I., Wood M., Rigolet Inuit Community Government, Gillis D. & Ernst J.
How Community Engaged Computer Science Can Change the World
Gillis, D., Durish, N., Cook, O., Seymour, F., Gascho, J., Fontanna J., Houlding P., & Williamson D.

2018 **GOV-ZERO SUMMIT · ORAL PRESENTATION** INVITATION · TAIPEI, TAIWAN
Community Engaged Computer Science: Lessons Learned in the Pursuit of Social Justice
Durish, N.& Gillis, D.

2018 **INDIGENOUS MAPPING CONFERENCE · ORAL PRESENTATION** OTTAWA, ON
Using Mesh Technology to Support Climate Change Monitoring.
Durish, N., Rourke, K. & Gillis, D.

2018 **CENTRE FOR PUBLIC HEALTH AND ZOONOSES SYMPOSIUM · ORAL PRESENTATION** GUELPH, ON
Potential Health Impacts of the Digital Divide.
Durish, N., Seymour, P., Cook, O., Sawatzky, A., Shiwak, I., Flowers C., The Rigolet Inuit Community Government., Cunsolo, A. & Gillis, D.

2018 **SPRING IT CONFERENCE · INVITED KEYNOTE** GUELPH, ON
Bridging the Digital Divide in the Circumpolar North
Durish, N. & Gillis, D.

2018   SPRING ACADEMIC OPEN HOUSE · INVITED ORAL PRESENTATION   GUELPH, ON
Design: The Good, The Bad and The Ugly
Durish, N. & Gillis, D.

2018   ARCTICNET · POSTER PRESENTATION   OTTAWA, ON
Bridging the Digital Divide to Support Community-based Monitoring in the Circumpolar North
Durish, N., Gillis, D., Seymour, F., Rourke, K., Asch, M., Raturi, S., Hughes, B., Flowers, C., Shiwak, I., Wood, M. & Ernst, J.

2018   CEPS UNDERGRADUATE POSTER SESSION · POSTER PRESENTATION   GUELPH, ON
Evaluating the Digital Divide in Canada
Houlding, P., Durish, N., & Gillis, D.

Developing an Instant Messaging Platform Beyond the Digital Divide
Seymour, F., Raturi, S., Durish, N., Shiwak, I., Flowers, C., Ernst J., Gillis D.

2017   CENTRE FOR PUBLIC HEALTH AND ZOONOSES SYMPOSIUM · POSTER PRESENTATION   GUELPH, ON
A Community-led Approach to Contextualize Gamification
*Durish, N., Seymour, P., Cook, O., *Sawatzky, A., Shiwak, I., Flowers C., The Rigolet Inuit Community Government, Ernst J., Cunsolo A., Harper S. & Gillis D.*

Connecting Remote Northern Communities with Offline Mobile Applications
Seymour, F., Raturi, S., Durish, N., Cook, O., Sawatzky, A., Shiwak I., Flowers C., Rigolet Inuit Government, Harper S., Cunsolo A., Gillis D. & Ernst J.

2017   SOCS GRADUATE POSTER SESSION · POSTER PRESENTATION   GUELPH, ON
Comparing broadband speeds between Indigenous and Non-Indigenous communities
Durish, N.

2017   ARCTICNET · POSTER PRESENTATION   QUEBEC-CITY, QB
The eNuk Health and Environmental Monitoring System; Improving User Engagement through Social Gaming Elements
Durish, N., Gillis, D., Cook, O., Cunsolo, A., Sawatzky, A., Shiwak, I., Flowers, C., the Rigolet Inuit Community Government, and Harper, SL

Leveraging Mesh Networks to Design Systems that Connect Remote Northern Communities.
Seymour, PF., Durish, N., Cook, O., Cunsolo, A., Harper, SL., Sawatzky, A., Shiwak, I., Flowers, C., Rigolet Inuit Government, and Ernst, J. & Gillis, D.

Improving the Connectivity of Rigolet Using the Inuit-led eNuk App and Wireless Mesh Technologies
Ernst, J., Seymour, PF., Durish, N., Cook, O., Cunsolo, A., Sawatzky, A., Flowers, C., Shiwak, I., Rigolet Inuit Community Government, Harper, SL. & Gillis, D.

Supporting Wildlife Stewardship and Conservation through a Digital Platform for Knowledge Co-Production.
Andrachuk, M., Cunsolo, A., Sawatzky, A., Snook, J., Gillis, D., Durish, N., Shiwak, I., Flowers, C., the Rigolet Inuit Community Government & Harper, SL.

2016   GUELPH CODING COMMUNITY   GUELPH, ON
A Strategic Analysis of Iterative Pareto-Nash Misaligned Games: How Computer Scientists Navigate Trust.
Durish, N.

2016   COMPOST COUNCIL OF CANADA; COMPOST CONGRESS · INVITED   GUELPH, ON
Student Innovations: Sustain-a-Bin and BioCharzard
Durish, N. & Smith, C.

📅 MEDIA LINKS*

2018	[MAPLE RIDGE TECH COMPANY ANNOUNCES BRAIN GAIN](#)	MAPLE RIDGE NEWS
2018	[U OF G COMPUTER SCIENTISTS PART OF $2.13 MILLION PROJECT TO IMPROVE DATA SHARING](#)	UOG NEWS
2018	[THE SCHOOL OF COMPUTER SCIENCE AND LEFT TO COLLABORATE ON $2.13 MILLION PROJECT TO IMPROVE...](#)	FIRST MILE
2018	[LOOK WHO WON A BUSINESS AWARD!](#)	GUELPH TODAY
2018	[SOCS GRAD STUDENT RECEIVES YOUNG INNOVATOR AWARD](#)	SOCS NEWS
2018	[YOUNG INNOVATOR FINALISTS](#) - VIDEO	GUELPH CHAMBER OF COMMERCE
2018	[CHAMBER CELEBRATES 2018 BUSINESS AWARD RECIPIENTS](#)	GUELPH CHAMBER OF COMMERCE
2018	[RIGHTMESH - #TEAMTHURSDAY; INTERVIEW WITH DAN GILLIS & NIC DURISH](#)	RIGHTMESH
2018	[COMPUTER SCIENCE STUDENTS RECEIVE PSEER TRAVEL & WORKSHOP AWARD](#)	SOCS NEWS
2018	[COMPUTING STUDENTS RECEIVE NSTP AWARD](#)	SOCS NEWS
2018	INTERVIEW: ENUK AND MESHNETS IN NUNATSIAVUT	CBC NORTH
2018	[SOCS GRAD STUDENT A FINALIST FOR THE GUELPH CHAMBER OF COMMERCE AWARD FOR EXCELLENCE](#)	SOCS NEWS
2018	[COMPUTER SCIENCE MEETS PUBLIC HEALTH: 2018 CPHAZ SYMPOSIUM](#)	CLIMATE CHANGE & GLOBAL HEALTH
2018	[CPHAZ SYMPOSIUM FOCUSES ON ONE HEALTH](#)	OVC NEWS
2018	[MEET OUR STUDENTS](#)	UNIVERSITY OF GUELPH
2018	[CS PROFESSOR WORKING TO IMPROVE LIFE IN THE CIRCUMPOLAR NORTH](#)	SOCS NEWS
2018	[A MESHNET WILL HELP THIS INUIT TOWN MONITOR THE EFFECTS OF CLIMATE CHANGE](#)	MOTHERBOARD · VICE
2017	[SCHOOL OF COMPUTER SCIENCE GRADUATE AWARDS ANNOUNCED](#)	SOCS NEWS
2017	[SUCCESS AT PITCH FOR PROGRESS](#)	SOCS NEWS
2015	[SMART COMPOST BIN PUTS A DOLLAR VALUE ON FOOD WASTE](#)	UOG NEWS

2015	WINNING PROJECTS IN GUELPH'S ELEVATOR PROJECT SPAN ART, CULTURE, MUSIC AND FOOD	GUELPH MERCURY
2015	SCOTIABANK CELEBRATES EARTH DAY BY ANNOUNCING THE FINALISTS FOR THE 2015 SCOTIABANK ECOLIVING...	TMX MONEY
2015	CORUNNA RESIDENT PART OF TEAM TACKLING COMPOSTING	SARNIA OBSERVER
2015	SMART COMPOST BIN TRANSLATES FOOD WASTE INTO DOLLARS	AGINNOVATIONS ONTARIO
2015	STUDENTS CHALLENGED TO CUT FOOD WASTE	GUELPH MERCURY
2014	FOOD HACK 14	SOCS NEWS
2009	LEADER IN TRAINING: MORE THAN JUST LEADERSHIP	YMCA ALUMNI NEWSLETTER

References, consultations and further information available upon request.