

# MARY BERGIN

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## PROJECTS

### Personal Website

- <https://marybergin.github.io/>
- Created personal website acting as a portfolio
- Used Bootstrap CSS and HTML

### SynonymBuns

- Participated in the creation of a website to aid students in the creation of their resumes
- Finds words in a given paragraph and gives appropriate business and tech related words to replace

### Pong Game

- Created a 2D pong game that can be played by 2 players
- Used Unity and C sharp

### Hospital Simulation

- School project that simulated the wait times in a Hospital with regular and specialty doctors
- Implemented using a priority Queue and heaps
- Written in C

### GWICS Website

- Contributing to the upkeep of Guelph women in computer science website along with other club members
- Ensuring the executive team page is current and up to date

## SKILLS

### Technical Skills

- Comprehensive knowledge of C developed through projects and assignments
- Moderate knowledge of Java at University level, developed through projects and assignments
- Moderate Knowledge of C# stemming basic game development of personal projects and Game Jam participation
- Experience working in an agile environment and revision control with git
- Extensive experience with Mac OS, iOS 12, Linux, and Windows 10, gained through personal and educational practices
- Wide ranging experience with development tools such as GitHub, Trello, and Slack
- Professional experience and knowledge of PLC programming, automation, and Ladder Logic

### Applicable Skills

- Exceptional leadership skills gained through years of volunteering and working
- Immensely self-motivated, stemming from passion and desire to strive
- Exceedingly organized, developed through volunteer experience in event coordination, and work experience
- Possess strong commitment to team environment dynamics

## EDUCATIONAL HISTORY

### Bachelor of Computing, Software Engineering (Co-Op) Sept 2017 - Present

*University of Guelph, Guelph ON*

- Expected graduation date May 2022
- University of Guelph Entrance Scholarship of \$3000 for average of 92%
- Minor in Media Studies

### Ontario Secondary Diploma Sept 2013 - June 2017

*Waterdown District High School, Waterdown ON*

- Four Honour Roll awards for maintaining an average of 80%
- Ontario Scholar award received in Grade 12
- Scholarship for extensive and valuable work in the Tech department
- Scholarship for dedication and passion in the Music department

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## CONFERENCES AND EVENTS ATTENDED

### CAN-CWiC

Halifax NS, Nov 2018

- Canadian Celebration of Women in Computing
- A networking, sharing, learning, and mentoring experience for Women in Computer Science
- Attended several panels and talks

### CUSEC

Montreal QB, Jan 2018

- Canadian University Software Engineering Conference
- Attended a variety of panels

### GI Game Jam

University of Waterloo, Waterloo ON, May 2019

- Participated in weekend long Game Jam
- Created a simple platformer game using Unity and C#

### Elle Hacks

York University, Toronto ON, Feb 2019

- Developed a project in a group of 4 that aims to be a business-focused thesaurus for resumes
- Won best domain name

### Hacktoberfest

Oct 2018

- Participated in month long celebration of open-source code
- Won a t-shirt for my contributions to the open-source community

## VOLUNTEER EXPERIENCE

### Go Code Girl Volunteer - Feb 2017

University of Guelph, Guelph ON

- Taught and mentored young girls ages 7-12 about Computer Science and coding
- Assisted in running workshops that consisted of teaching girls to code, facilitating the creation of well thought out designs, and the basics of circuit board creation
- Worked with others to create a welcoming and educational environment

### Guelph Women in Computer Science Co-President- January 2020 Present

University of Guelph, Guelph ON

- Collaborates with University staff, Executive members, and local tech companies to run and plan events
- Oversees other club executives in a collaborative environment

## WORK EXPERIENCE

### City of Guelph - Water Services, SCADA Developer Co-op - Sept 2019 - Dec 2019

Guelph ON

- Wrote comprehensive Process Control Narratives to control well site automation
- Used Ladder Logic to write automation code for Allen Bradley SLC 500 and CompactLogix/ControlLogix PLCs
- Designed and Created Human Machine Interfaces that adhered to HMI and ISA101 standards

### City of Guelph, Accessibility Assistant - May 2019 - August 2019

Guelph ON

- Created and facilitated the training of employees on website quality Assurance and accessibility
- Remediated and supported departments in remediating documents and web content
- Composed accessible forms and templates for departments

### Ford Motor Company, Assembly Line Worker - May 2018 - Aug 2018

Oakville ON

- Ensured paint quality of cars by facilitating repairs
- Operated body building robots
- Problem solved during breakdowns and errors within the system