

Mac Burton

902.476.4883 | macburton1000@gmail.com

Results-oriented and innovative software engineer. Demonstrated experience in User Experience Design and Evaluation, app design and development, and website development. Collaborative; exercises sound judgment and strategic thinking to solve problems creatively. Skills at writing clear, concise code that is easily maintained. Adaptable, enthusiastic.



<https://macburton.ca>



<https://www.linkedin.com/in/mac-burton-2851a319b/>



<https://limemonkeys.itch.io/>



<https://github.com/limemonkeys>



<https://stackoverflow.com/users/14095522/lime>

Hard Skills

Languages

C, C#, Java, Python, HTML, CSS, JavaScript, PHP, Kotlin, XML, R

Operating Systems

Windows, macOS, Linux (Red Hat)

Libraries

React, BeautifulSoup4, JFrame, JQuery, JSoup

Database

MySQL, SQuirreL, Firebase

DevOps

Docker, Jenkins

Version Control

Git, SVN, Unity Collab

Build Automation

Apache, Gradle, Make

Cybersecurity

VirtualBox, Wireshark

Project Management

Jira, Redmine, Trello

Design Tools

Blender, Figma

Text Editors

Emacs, Sublime Text, Vi

IDEs

Android Studio, Visual Studio Code, Eclipse, IntelliJ, PyCharm, MBed Studio

Employment Experience:

Canadian Army Reserve

Jun '19 - Present

CORPORAL MUSICIAN AND SAFETY 2IC FOR 36 CBG BAND

Responsible for providing accompaniment to military ceremonies and performances to the public.

Select achievements

- Provided general in-house IT services to CAF members on full time summer employment contract, which saved time and resolved issues faster than relying on external IT support.

Lockheed Martin

May '20 - Dec '20, Jan '22 - Apr '22

TECHNICAL CO-OP - SOFTWARE - CSC

Responsible for supporting projects and creating java software for warships.

Select achievements

- Consistently delivered high quality code that met internal code-testing standards and supported other team members in reviewing and testing code.
- Created java software based on user stories derived from shareholder's warship expectations. Included continuous integration using software like SVN, Jenkins, Redmine and methodologies like Agile with sprint planning, sprint reviews, and daily stand ups.
- Developed software that enabled Lockheed Martin to continuously maintain and push out groundbreaking software for modern warships to support national defense.

Software Testing

Unit, Integration, Regression,
Acceptance, White/Black
Box Testing

Methodologies

Agile, Scrum, Kanban,
Waterfall

Soft Skills

Adaptability
Attention to Detail
Communication
Conflict Resolution
Creativity
Leadership
Problem Solving

Education

Bachelor of Computer
Science (Co-op)
Dalhousie University, 2023

Certificate of User
Experience Design and
Evaluation

Scholarships and

Awards:

Nokia 3310 Jam 6: Top 5% in
Innovation, '24
Global Game Jam: Most
Creative, '24
Canadian Army Corporal
Promotion, '23
Loaded Ladle Feature
Volunteer, '23
Global Game Jam: Ubisoft's
Choice Award, '23
Battlesnake Tournament: Semi
Finalist, '23
Greenlight Jam: 1st Place Best
Plan for Diversifiers, '22
Atlantic Game Jam: 3rd Place
Overall, '22
Atlantic Game Jam: 1st Place in
Mechanics, '22
Dalhousie Sexton Scholar, '21
Lockheed Martin Thanks Award,
'20
G. H. Campbell Memorial
Entrance Scholarship, '18

Technical Projects

Projects created and developed as hobbies or through university.

Smart Swine: Smart Saving Device

Jan - Apr '23

Designed and created a IoT product using an Android phone and Hexiwear smart device. Created storyboards, personas, use cases, in-context evaluations, low-fidelity, high-fidelity, and steel-thread prototyping. This device and application targeted young children; goal was to assist in planning, tracking, and reinforcing positive saving goals and habits.

Art Gallery App for the Visually Impaired

Jan - Apr '23

Designed a mobile application which provided information about art pieces. Goal was to provide the visually impaired an enriching and immersive experience. Created personas, assessment plans, low, medium, and high-fidelity prototypes, and creating a physical prototype utilizing an NFC chip imbedded in a 3D-printed exhibit label.

Geriatric Green Card Website

Jan - Apr '23

Designed and created a website using React to simplify green card information. Went above expectations and created git continuous integration documentation with flowchart for junior developers. Met with a client to ensure user stories met shareholder expectations and adhered to clean code principles to ensure seamless project transition. Goal was to simplify medication dose information for Green Card Pamphlet users.

Extracurriculars:

Dalhousie Trading Card Game Society

Sept '19 - Present

Culinary Support Volunteer

Sept '22 - Sept '23

- Planned, prepared, and served complimentary meals for over 300 members of the student body each day.

Founder and President

Sept '19 - May '23

- Planned, coordinated, and engaged in Primary Event Organizer training.
- Researched, wrote, and presented weekly topics related to various aspects of trading card games.