Mac Burton

Cheerful, motivated, new graduate eager to transition into full-time employment related to my studies. I always love having new projects to keep myself busy. Between personal development projects, musical performances, cooking, and trading card games, I have many outlets to express my creative ideas and problem-solving abilities.

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https://limemonkeys.itch.io/

https://github.com/limemonkeys

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

Education:

Dalhousie University
Sept '18 – Sept '23

Bachelor of Computer Science with Co-op

Certificate of User Experience Design and Evaluation

Hard Skills:

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

Operating Systems
Windows, macOS, Linux (Red Hat)

Libraries
React, BeautifulSoup4, JSoup, JFrame

Database
MySQL, SQuirreL, Firebase

DevOps
Docker, Jenkins

Version Control
Git, SVN, Unity Collab

Build Automation
Apache, Gradle, Make

Employment Experience:

Canadian Army Reserve   Jun '19 - Present

- Corporal Musician and Safety 2IC for 36 CBG Band
- Contribute musical accompaniment to military ceremonies and performances to the public.
- Attended Canadian Forces School of Music at Canadian Forces Base Borden in Ontario.
- Provided general in-house IT assistance to CAF members on full time summer employment contract.

Lockheed Martin   May '20 – Dec '20, Jan '22 – Apr '22

- Created java software based on user stories derived from shareholder's warship expectations.
- Supported continuous integration using SVN, Jenkins, Redmine.
- Worked as a team using Agile methodologies participating in sprint planning, sprint reviews, daily standups.

Technical Projects:

Smart Swine: Smart Saving Device   Jan '23 – Apr '23

- Designed and created a IoT product using an Android phone and Hexiwear smart device.
- Developed prototypes, storyboards, personas, use cases, low and high-fidelity wireframes.
- Performed in-context evaluations using a steel thread prototype.

Art Gallery App for the Visually Impaired Jan '23 – Apr '23

- Designed a mobile application which provided information about art pieces to the visually impaired.

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

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

Design

Leadership

Problem Solving

Time Management

- Developed personas, assessment plans, low, medium, and high-fidelity prototypes including a physical prototype utilizing an NFC chip imbedded in a 3D-printed exhibit label.
- Conducted outreach with of local art gallery curators to discuss feasibility of application features and understand relevant compliance requirements.

Geriatric Green Card Website   Jan '23 – Apr '23

- Designed and created a website using React to simplify green card information for geriatric clients.
- Directly communicated with a real client to ensure user stories met shareholder expectations.
- Supported a seamless project transition to another team by adhering to clean code principles and providing documentation for the codebase.

Extracurriculars:

Loaded Ladle   Sept '22 – Present

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

Dalhousie Trading Card Game Society   Sept '19 – May '23

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

Scholarships and Awards:

Canadian Army Corporal Promotion	Apr '23
Loaded Ladle Feature Volunteer	Apr '23
Global Game Jam: Ubisoft's Choice Award	Feb '23
Battlesnake Tounament: Semi Finalist	Jan '23
Greenlight Jam: 1st Place Best Plan for Diversifiers	Jun '22
Atlantic Game Jam: 3rd Place Overall	Feb '22
Atlantic Game Jam: 1rd Place in Mechanics	Feb '22
Dalhousie Sexton Scholar	Aug '21
Lockheed Martin Thanks Award	Aug '20
G. H. Campbell Memorial Entrance Scholarship	Sept '18