BRIANA BURTON

Waterloo, ON | 519-778-6316 | brianareburton@gmail.com | linkedin.com/in/briana-burton | github.com/bburton0334 | briana.cc/

EDUCATION

Conestoga College   Waterloo, ON
Advanced Diploma in Software Engineering Technology   *Jan 2020 – April 2023*
- Extracurriculars: Google Developer Student Club, Conestoga Entrepreneurship Collective

EXPERIENCE

Software Developer   Jan 2023 – April 2023
Enertics Inc.   *Milton, ON*
- Collaborated with Enertics to develop a proof-of-concept for the company's client motor dashboard under a 4-month contract
- Developed a web-based app with an Agile team of 4 using Express, Node.js, JavaScript, HTML/CSS and AngularJS to integrate MySQL database info to visualize and analyze motor data from motor sensors
- Replaced the previous inflexible Chart.JS graphs with interactive embedded Grafana graphs in the front-end of the website, providing *real-time* visualization of motor data and enabling quick analysis of trends and patterns
- Reduced graph query time by **900%** *from 9s to 1s* by creating database indexes, resulting in almost *instant* graph load time for users
- Increased security by implemented Google sign-in using OAuth to provide simple and secure access to the application

Software Developer Intern   July 2022 – Jan 2023
GAOTek Inc.   *Toronto, ON*
- Revamped Linux-based software by implementing advanced C/C++ code to seamlessly integrate FoIP (Fax over IP) technology, enabling secure, efficient, and reliable fax transmission over IP networks
- Streamlined the team's operations by providing comprehensive support through proactive troubleshooting, technical expertise, and effective resolution of user complaints, resulting in a notable **34%** *decrease* in reported incidents
- Utilized a wide range of effective debugging techniques, including error handling and static code analysis, while making effective use of industry-standard tools such as Cppcheck, LLDB, and SonarQube
- Contributed to cross-functional collaboration by actively participating in SCRUM ceremonies, including daily stand-up meetings and sprint planning

Software Quality Assurance Tester   Nov 2021 – Present
TesterWork   *Waterloo, ON*
- Used Requirements Traceability Matrixes (RTM) to map test cases with requirements, ensuring traceability of bug sources
- Conducted over **300** comprehensive tests across desktop and mobile applications, including for **Meta/Facebook** and **YouTube**, to ensure their applications met software requirements and delivered a quality user experience
- Validated software from an end-user's perspective through user acceptance testing (UAT), resulting in *30+ bugs discovered*
- Implemented comprehensive testing strategies, encompassing smoke testing, test case executions, and exploratory testing, which led to the swift identification of critical issues

OTHER EXPERIENCE

Programmer (Mentorship)   Oct 2022 – Jan 2023
Ubisoft Toronto Inc.   *Toronto, ON*
- Secured an invite from Ubisoft Toronto to participate in the DAU (Develop at Ubisoft) mentorship program for programming
- Collaborated with Ubisoft developers and designers to successfully develop and execute complex projects in C++, demonstrating proficiency in leveraging APIs such as OpenGL to achieve optimal results
- Gained experience in AAA video game development by collaborating alongside developers, animators, designers, etc, who've worked on AAA games such as Splinter Cell Remake, Far Cry 6, Watch Dogs: Legion, and Assassins Creed Unity

TECHNICAL SKILLS

Languages: JavaScript, C#, Python, C, C++, SQL, Java, HTML/CSS, ARM Assembly, PHP, TypeScript
Developer Tools: Git, Docker, AWS, Azure, Android Studio, Heroku, SQL Server, MySQL, SQLite
Frameworks & Libraries: React, .NET, Node.js, AngularJS, jQuery, Bootstrap, ASP.NET
Other Skills: Agile methodologies, OAuth, AJAX, UI/UX, Figma, Adobe XD, Adobe Photoshop, Office 365

CERTIFICATES

Nov. 2022	**Mastercard** - Cybersecurity Virtual Experience Participant	ID: xft5rLwTFx8XriZHr
Sept. 2022	**Goldman Sachs** - FinTech Engineering Virtual Experience Participant	ID: uJ4yTGnQHSgkqPgbY
July 2022	**IBM** - IBM Applied AI Professional Certificate	ID: ZU3FHJZMHFMV