

Ryan Fleck

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EDUCATION	<i>Bachelor of Applied Science</i> in Computer Engineering University of Ottawa, Canada. Graduating April 2021
EXPERIENCE	<i>.NET/Java Developer at MNP LLP (Technology Consulting)</i> Dec 2018 - Jan 2018 Software Development and Quality Assurance position. Independent internship. <ul style="list-style-type: none">• <i>Sitecore (.NET/C#)</i> - Extended Sitecore for a hospital client from Toronto.• <i>TeamSite (Java/JS)</i> - Extended Teamsite for an airline client from Calgary.• <i>Technical Writing</i> - Responsible for writing client-ready documentation.• <i>Web Development</i> - Learned HTML/CSS/JS while assisting with frontend.• Designed and executed a quality assurance protocol for a project worth \$650k, directed a consultant to run tests then report bugs & defects. Some automation. <i>Xalgorithms Foundation</i> May 2018 - Present Contributes to the <i>Xalgorithms</i> Libre Software project. Assisted with development of the prototype <i>.xalgo</i> interpreter, implemented in Scala/Spark/Cassandra/Kubernetes. <ul style="list-style-type: none">• <i>Quality Assurance</i> - Bugtested Xalgorithm language and interpreter prototypes.• <i>Interpreter Development</i> - Wrote some minor functions for the interpreter.• <i>Contributor</i> - Attends a weekly meeting to discuss technical progress.
COMPUTER SKILLS	<i>Programming Languages</i> - C#, Java, Scala, Python, JavaScript, Bash, C++, C. <i>Formatting Languages</i> - HTML, CSS, SASS, LaTeX, Markdown, Asciidoc. <i>Operating Systems</i> - RHEL and Debian-derived GNU/Linux, FreeBSD, Windows. <i>Version Control</i> - Extensive use of Git for organizing and deploying work. <i>System Administration</i> - Enterprise and personal configuration of CentOS servers.
WORKPLACE SKILLS	<i>Documentation</i> - Proficient with the Microsoft Office Suite, Libreoffice and Latex. <i>Customer Service Experience</i> - Has worked in restaurants, coffee shops and retail. <i>Teamwork</i> - Has worked in teams on various job sites, excellent delegation skills. <i>Quality of Writing</i> - Appreciates brevity, can communicate complex ideas effectively.
PERSONAL PROJECTS	<i>PebbleHack</i> - Implemented a pebble watchface that responded to phone status. <i>Server</i> - Maintains a Debian server for Mumble, psql/mongo databases, automation. <i>Blog</i> - Built a site using and extending Jekyll(Ruby). I write about tech I use. <i>GameMaker, LibGDX Engines</i> - Has written numerous 1-4 player game experiments. <i>Art, Sound, Animation, Modeling</i> - Creates game assets w/ Gimp, Audacity, Blender.
LEADERSHIP IN GROUP PROJECTS	<i>BusBot</i> - Implemented a SlackBot for fetching bus times using NodeJS/Heroku. <i>uOttHack</i> - Wrote the JavaScript/Arduino serial interface for an Ethereum App. <i>Career Fair Audience Participation</i> - MNP LLP took interest in a personal project of mine, and asked to extend it for use at career fairs. A simple Socket.IO/Express application with a short trivia, chat and leaderboard so prizes can be distributed.