

# Michael Bassili

Software Developer

BC, Canada

michael@bassi.li

Available Starting July 2020

## SKILLS

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- **Languages:** Python, C, C++, PHP, JavaScript
- **Tools:** Git, JIRA, TestRail, Jenkins, BitBucket
- **Spoken Languages:** English, French
- Tech:** Jekyll, Django, LaTeX, HTML & CSS, SQL
- Misc:** Agile, Scrum, Kanban, Technical Writing

## EXPERIENCE

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- **Software Developer In Test (Remote)** Jan. 2018 - Aug. 2019 (1y 8m)  
*Delta Controls Inc.* *Surrey, BC Canada*
  - Migrated entire codebase, containing 400+ files and 150k+ lines of code, over to Python 3 while ensuring that it remained backwards-compatible with Python 2
  - Reconfigured our Jenkins workflow to utilize virtual environments instead of configuring Python directly on the build machines, in order to decrease job length and increase run reliability
  - Developed numerous internal tools which helped coworkers streamline their API, UI, and DB testing, reducing the man-hours required to execute tests
  - Implemented performance testing and result collection programs that shaved days of effort off manual analysis and processing procedures
- **Software Developer In Test Co-Op** May 2017 - Dec. 2017 (8m)  
*Delta Controls Inc.* *Surrey, BC Canada*
  - Worked to maintain and improve internal testing framework which was built with Python using Pytest, Selenium, and Flask-RESTful
  - Collaborated with developers and team leads to automate and schedule test suites for new products, devices, and features

## PROJECTS

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- **SimpleScript** [simplescript.dev](https://simplescript.dev)  
*Interpreted Programming Language*
  - Wrote the lexical analyzer, parser, and interpreter for my own programming language
  - Structured the language syntax to accept and interpret BASIC-like commands and functions
  - Is Turing-complete; allows for recursion, looping, program execution, data storage and manipulation, and the reading of external programs and inputs
- **Mike's Gaming Trove** [mikesgamingtrove.ca](https://mikesgamingtrove.ca)  
*Jekyll-based Gaming Journalism Website*
  - Developed platform to host articles and interactive art pieces about video games
  - I employ and manage a small team of editors and artists from around the world remotely
  - While Jekyll produces static websites, I was able to emulate dynamism by building site daily via cron jobs on a CI

## EDUCATION

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- **Simon Fraser University** Burnaby, BC  
*Bachelor's of Computing Science* *Sep. 2015 - Aug. 2020*
  - Expected to graduate in August 2020
  - Participated in the coordination and execution of several Collegiate Gaming Club events
  - Relevant courses include Computer Networking, Data Mining, Linear Optimization, Numerical Analysis, Requirements Engineering, Symbolic Computing, and Quantum Computing