Muhammad Gill

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EDUCATION

- **University of Waterloo** — Waterloo, ON
  Computer Engineering (Bachelors) — *Sept. 2016 - Present*

EXPERIENCE

- **Blackberry** — Waterloo, ON
  Software Developer — *May - Aug 2018*
  - Developed deep learning model for syntax conversion from PL/SQL (oracle) to mySQL (100% precision)
  - Developed and optimized dynamic scripts to efficiently and securely migrate over 20% of company databases (schema, procedures and data) between different, incompatible platforms.
  - Customized, optimized an open source mySQL DB (mariaDB) to increase insert speed by 12%
  - Contributed greatly to many other confidential projects, currently being deployed to millions globally

- **Nielsen** — Toronto, ON
  Software Developer — *Sept 2017 - Jan 2018*
  - Developed generic Integration API for synchronous data flow between: Facebook Workplace, Active Directory, Salesforce, ADP, SharePoint and SQL database
  - Developed a dynamic script writer (DSW). DSW successfully wrote 50+ scripts that were used to process 20,000+ unique data files
  - Wrote 3 multi-purpose, dynamic web services for NoSQL infrastructure used by 10+ company apps
  - Developed data analysis and report tools; developed automation API for dynamic powerpoint generation – used by 2 departments, 50+ coworkers, saving 10 000's of hours per month

- **FGF Brands** — Toronto, ON
  Software Developer — *Jan 2017 - April 2017*
  - Developed complete ETS (Employee Tracking System)
  - Developed ETS app (Native IOS and Android) for GPS tracking using Google Maps API (100+ users)
  - Developed web service, and entire Backend for ETS to handle all incoming requests from app instances using antiforgery and secure data transfer protocols
  - Developed web interface (web pages) for data display (displaying 10 000+ records and logs for 100+ users)

- **SIDE PROJECTS (Freelancer.com)**
  Software Freelancing — *Feb 2011 - Present*
  - Independently developed 3200+ elo chess engine (neural network). Trained using self generated dataset (90+ million unique chess positions)
  - Developed automation software for pokemon game (1100+ downloads, $11 000+ revenue) and Xbot software for RS MMORPG (400+ downloads)
  - Completed 30+ freelancer projects involving ML, web services, websites (earned 23,000+ USD)
  - Developed 2 mobile Apps for news reporting (600+ downloads)
  - Currently working on multiple projects; using machine learning to solve a host of real world problems

SKILLS

- **Operating Systems**: Linux (Debian/Ubuntu), macOS, Windows
- **Languages**: Python, Javascript, C++, SQL, Java, C#, Bash
- **Technologies**: Tensorflow, .NET, Node.js, ASP.NET, scikit-learn, Selenium, MATLAB, Hadoop, Express.js
- **Tools**: Git, XCode, Visual Studio, Eclipse, VS Code, Azure, mySQL, mariaDB, MongoDB, AWS