

Shawon Ibn Kamal

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EDUCATION

- **Memorial University of Newfoundland** St. John's, NL
BSc. in Computer Science; Honours, 3.81 CGPA, 84% *Jan 2018 – Apr 2022*

SKILLS

- **Languages:** Python, Java, JavaScript, NodeJS, PHP, SQL, HTML, CSS, C, C++, R, Matlab
- **Frameworks:** ReactJS, Laravel, MongoDB, Express, D3.js, SFML, Matplotlib, NumPy, Pandas, scikit-learn
- **Other tools:** Docker, Linux Server, AWS, SMTP, S3, Apache, REST APIs, Visual Studio, Photoshop

EXPERIENCE

- **Department of Psychology, Memorial University of Newfoundland** St. John's, NL
Data Engineer & Research Assistant *Sep 2021 - Present*
 - Robustify the beta spectral data repository that will allow researchers to share their spectral data-sets by maintaining a standard format.
 - Develop big data manipulation scripts using Python to standardize data-sets which are validated by the spectral data repository.
- **Blue Communications Inc.** St. John's, NL
Full-Stack Developer *Jul 2019 - Present*
 - Design, develop, document, analyze, create, test, and modify computer systems, programs, and integration by evaluating client needs.
 - Work with JavaScript, Laravel, PHP, SQL, ASP.NET to build enterprise applications.
 - Manage projects through Git, CI/CD, and automate launching Ubuntu instances using AWS SDK.
 - Passed with Distinction in CICS Work Term in criteria of Job Performance
- **South Park Driver Training** St. John's, NL
Full-Stack Developer *Jan 2021 - Aug 2021*
 - Working on an existing web application using JS and PHP to build components for student log entries, LMS, billing calculation, and payroll for instructors.
 - Migrated projects to manage in AWS and optimized site pages to load fast and efficiently using fewer resources.
 - Fix any bug reports and continuously add new features as requested.

PROJECTS

- **Share Notes** St. John's, NL
Startup co-founder *Sep 2021 - Present*
 - Led a four-person team to develop a web applications that tackles study materials insecurity.
 - Applied strong programming competency in React, Laravel and SQL by developing in REST API format to ensure scalability and modularity.
- **Starcraft Competitive AI Bot** St. John's, NL
Game AI Course Project *Jan 2021 - Apr 2021*
 - Worked with two other group members to build a bot that plays the game of Starcraft: Broodwar as Protoss race using real-time Artificial Intelligence decisions using C++ and BWAPI.
 - Beats the built-in AI of the game using the "Zealot Rush" strategy that includes scouting, appropriate building placement, proper build order, and timing attacks
- **E-commerce Data Scraper** St. John's, NL
Back-end Developer *Jan 2021 - Apr 2021*
 - Collaborated with a front-end developer to build an e-commerce web scraper using Node.js and MongoDB that pulls the relevant information about items from Walmart and Best Buy and stores in the database
 - It tracks the stock information, price changes, and availability on each update and notifies the user about changes.